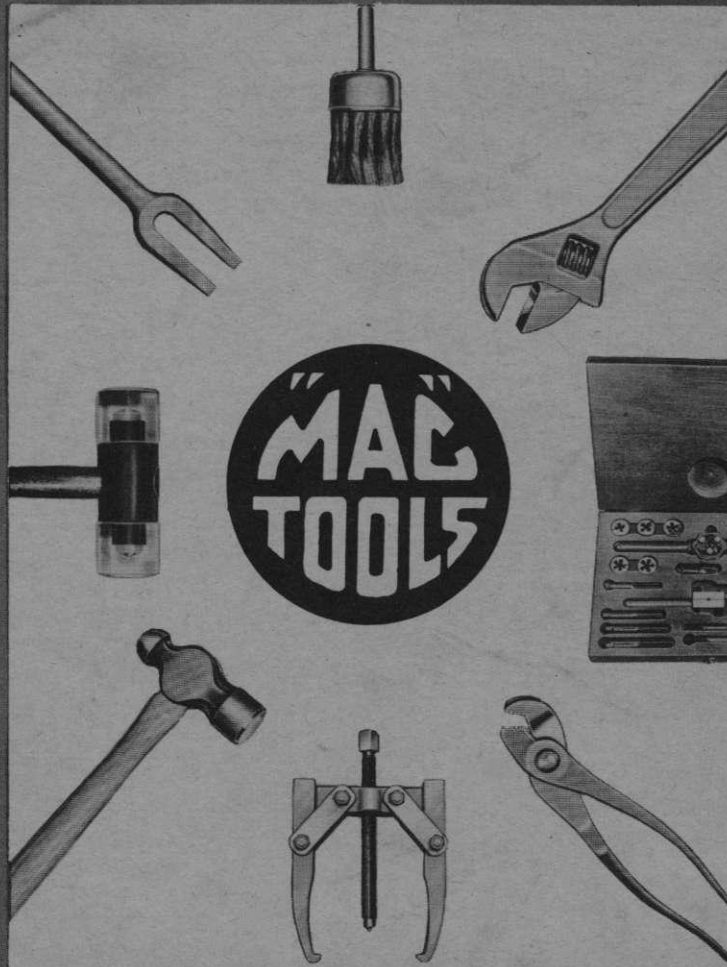


# Mac Tools



**MAC ALLIED TOOLS CORPORATION**

**TALLMADGE, OHIO ~ SUBURB OF AKRON**

## **GUARANTEE**

All tools in our line are designed and manufactured to withstand requirements of the job for which they were intended. Our tools are guaranteed to do this job. Please note certain tools shown are marked "Not Guaranteed" which is necessary because of the nature of the tool and which is customary. Every tool we sell is guaranteed against defective workmanship or material and will be replaced when proven so within these limits.

We cannot replace tools that are worn out because of use; tools made obsolete by changes in design required by new model cars; tools which have been abused or used carelessly; or tools which the mechanic has attempted to redesign.

We know the mechanic will be reasonable and fair in the matter of replacements, as so shall we.

Final judgment as to whether a tool should be replaced rests with our adjuster working through our Authorized MAC Distributors. The policy as to guarantee is for your protection and will be carried out on the basis of mutual fair dealing.

**T**HE Mac Allied Tools Corporation is affiliated with The Mechanic's Tool and Forge Company. The tools as illustrated in this catalog are sold by regular authorized "MAC DISTRIBUTORS" throughout the entire United States, serving the "PROFESSIONAL MECHANIC".

Our policy is and shall continue to be one enabling us to furnish our customers the Finest Tool made at the most reasonable price possible. Our method of selling makes possible better Service and Quality Tools by eliminating all possible overhead.

"MAC TOOLS" are sold everywhere. Look for the trade name as shown on the cover pages of this catalog. In purchasing these tools you will insure yourself the ownership of tools of Proven Quality, with continued unequaled service by experienced and trained representatives.

Management of "MAC ALLIED TOOLS CORPORATION" is by men who have been in the Mechanics Hand Tools business for many, many years. They are equipped with valuable experience which assures sound judgment with regard to the tools in our line being of proper design and quality for their intended use.

We have grown rapidly due to quality of "MAC TOOLS" and service given by "OUR DISTRIBUTORS", as well as to the confidence our customers have given our line. We thank you for this support and hope to serve you long and well.

**MAC ALLIED TOOLS CORPORATION**

**TALLMADGE, OHIO**

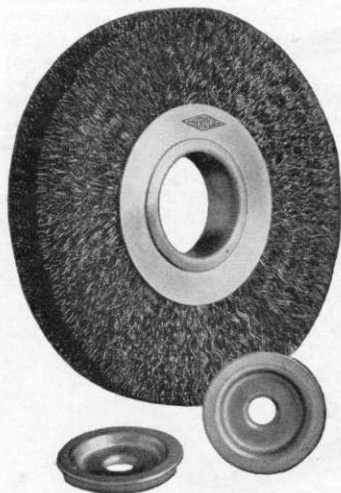
**(Suburb of Akron)**

Catalog No. 15



### Heavy Duty Wheel Brushes

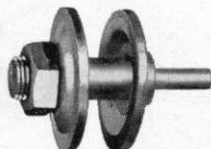
The Quality material used for these wire brushes and excellent workmanship make them the toughest and longest lasting on the market. The crimped wire bristles will wear evenly, thus giving maximum amount of wear right down to the arbor.



Any size may be had in any size arbor hole, from 1/2" up. When ordering be sure to specify Arbor Hole.

#### ADAPTER FOR DRILL CHUCK

A sturdy adapter for mounting wheel and cup brushes to a drill chuck. Can be had with 1/4", 3/8" or 1/2" shank. Cadmium plated for rust prevention.



No.	Dia.	No.	Size
WW-4	4"	CA-1	1/4"
WW-6	6"	CA-2	3/8"
WW-8	8"	CA-3	1/2"

### Heavy Duty Carbon Cleaning Brushes



"Cable Twist" carbon or end brush is made of high strain music type wire tightly twisted into knots securely fastened into a 1" diameter metal cup and fitted with a 1/4" diameter spindle shank. Brush part extends 1 1/4" out.

We also carry the Carbon Cleaning Brush in crimped wire not twisted.

No.
WB-1—Crimped Wire
WB-5—Cable Twist



WB-5

### Hand Wire Brush



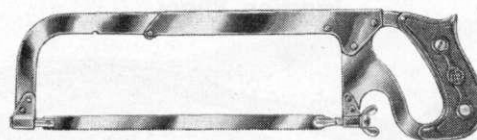
Wire Brush with Screw Eye attached. High grade brush with long curved handle. Prevents injury to operator's hand. Just what you need for cleaning dirt, dust and other foreign matter from rims and wire wheels.  
No. WB-10—Length 14"

### Scriber and Packing Hook



Scriber with Hardened Point—Other End designed for removing old packing from water pumps and replacing with new. Not guaranteed.  
No. S-322

### De Luxe Hack Saw Frame



Good, rigid construction with perfect balance reduces possibility of blade "whip" breakage and make this hack-saw easy to work with. The handle and rear portion are a one-piece design with hand aperture large enough for ample knuckle clearance. Red pyralin hand grips give a firm hold and stand out in attractive contrast to the full-plated and highly polished frame.

The handle is underslung and designed so power is delivered along the line of the blade . . . resulting in easier, faster cutting. Accommodates all standard blades.

No. HS-5—De Luxe Hack Saw Frame.

### Low Back Hack Saw



Low backed Hack Saw using all steel construction for 10" saw blades. All parts are fully heat treated, and the blade is adjustable through the handle in securing the desired tension.

No. HS-3—Hack Saw.

### Standard Hack Saw Blades



Made by special process from finest tungsten steel assuring tough, uniform temper and degree of hardness throughout the blade . . . They cut faster, easier, and retain their cutting power longer. Blades are the result of many years' experience in blade manufacture and of the highest possible quality.

Sold in Dozen Lots Only.

No.	Length
HS-6—Junior Blades—6" Length	
HS-10	10"—24 Point
HS-12	12"—24 Point

### High Speed Blades

In hand frame or power machine, the High Speed Blade will deliver maximum cutting service on any material, at higher speeds, without danger of shattering. Every user of hack saw blades can profit by elimination of breakage, the saving in time, the faster cutting speeds, and reduction of accidents made possible by this remarkable blade.

No.	Length
HS-10H	10"—24 Point
HS-12H	12"—24 Point

### Junior Hack Saws



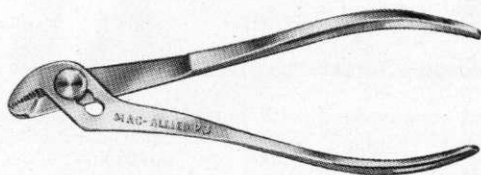
Tapered Back

Straight Back

These hack saw frames are the ideal bushing and tubing saw for extremely hard to reach places. Equipped with a standard 6-inch fine-tooth pin type blade—cuts smoothly—removes very little stock. Easy grip—non-slip, screw type handle adjusts blade tension. Plated and Rustproofed.

No.
HS-1—Tapered Back
HS-2—Straight Back

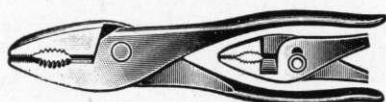
### Mac Allied Ignition Pliers



Light and convenient to use. Three position slip joint allows parallel openings up to  $\frac{3}{8}$ ".

No. P-3                      Length 4  $\frac{1}{2}$ "

### Mac Allied Super Quality 7" Slip Joint Side Cutting Pliers



Has slender jaws with two position adjustment. Jaws are deeply cross-broached for positive gripping.

No. P-7                      Length 7  $\frac{1}{4}$ "

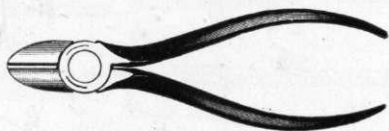
### Mac Allied Water Pump Pliers



Eight position joint allows parallel openings up to 1  $\frac{5}{8}$  inches. Handles are form-fitting. A practical plier.

No. P-12                      Length 9  $\frac{1}{2}$ "

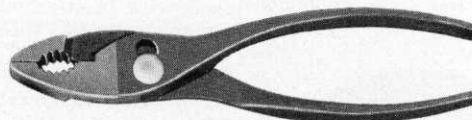
### Mac Allied 7" Diagonal Cutting Pliers



Heat treated, hardened and tempered. Has uniformly hard cutting edges and faces. Nickel-chrome alloy drop forged steel. Smooth handle grips. Polished heads and round joints.

No. P-11                      Length 7"

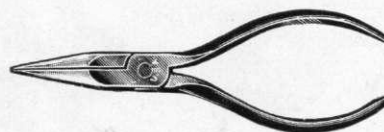
### Mac Allied 6" Slip Joint Pliers



A well made pocket plier of conventional design. Quality plus, but at a price so low it has no equal or rival on the market.

No. P-6                      Length 6"

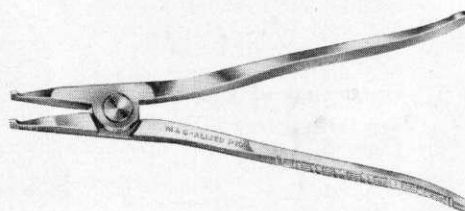
### Mac Allied Long Needle Nose Pliers (with side cutters)



These long nose pliers are essential for ignition, electrical, telephone, radio and all work that demands an extra long reach, and especially handy on fine and delicate jobs.

No. P-17                      Length 6"

### Mac Allied Lock Ring "Horse Shoe" Pliers



This snap-ring plier is so constructed, that in addition to the normal use of a plier of this type, it can also be used on larger parts, such as Shafts, etc. The plier will open up with a one inch spread.

No. P-10                      Length 8"

### Mac Allied Battery Pliers



Tremendous strength is built into this plier — the thin nose will clear filler caps and the joint is so constructed as to remove all strain on rivet. Jaws take positive grip of the acid corroded terminal nuts. Again a proven tool.

No. P-15                      Length 7"



### WELLOCT POSITIVE Self Gripping Pliers

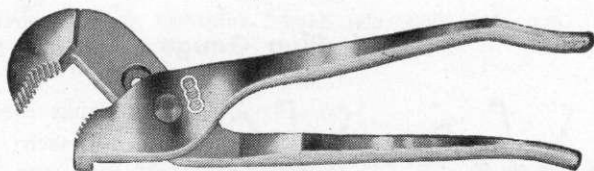
with a New Phenomenal Principle of Design

The WELLOCT principle provides self gripping with NON-SLIP action and vise type grip, requiring very little hand pressure.

Slight opening or closing of the jaws is all that is required for adjustment.

The WELLOCT patented adjustment feature gives extra strength to the tool, making it decidedly stronger than any tool of similar jaw movement on the market, yet offering a simple adjustment and free movement of the jaws. Mechanics acclaim WELLOCT Tools to be a progressive step in efficiency and ease of operation. All WELLOCT tools are forged from Chrome Nickel Alloy Steel and are hardened and tempered by the latest scientific methods, assuring constant uniformity and durability. Fully guaranteed against defects in workmanship and material.

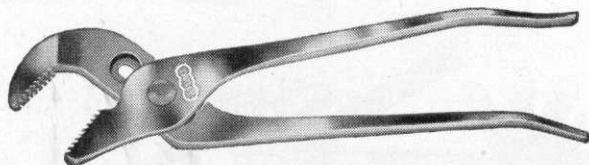
### Pipe Pliers



This is a 9" Plier designed for use as a pipe wrench. Has the advantages of still being a plier, yet with the power and leverage of a pipe wrench. Heavily built for rugged and tough use.

No.	Length
290	9"
292	12"

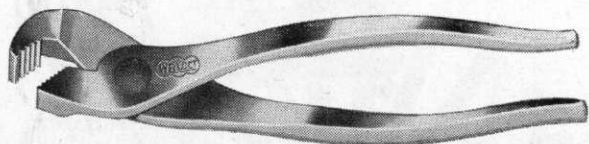
### Pump Nut Pliers



This Plier is built for long, dependable service and will give the mechanic a wealth of satisfaction for all around uses. While the head and jaws are especially designed for water pump packing nuts, this plier is most useful in other places as a general utility plier.

No.	Length
200	9 1/2"

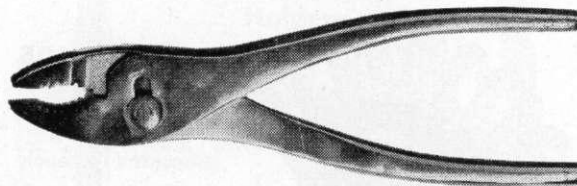
### Battery Pliers



A tool especially designed for battery work, but because of its patented adjustment the tool is readily adaptable for general all-purpose use. Drop forged from special chrome nickel alloy steel and scientifically heat treated. Triple plated finish.

No.	Length
207	7"

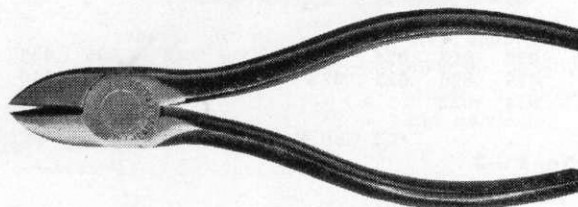
### General Purpose Pliers



Heavy Duty self gripping plier, drop forged from special chrome nickel alloy steel and scientifically heat treated. Provides positive pipe wrench grip, adapting itself to unlimited use as a general purpose tool. Built to take rough usage.

No.	Length
216	6"
218	8"
210	10"

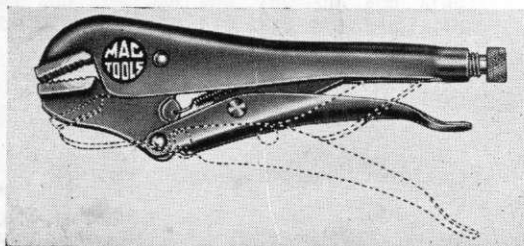
### Diagonal Cutting Pliers



A Diagonal Cutter designed for close cutting and long life. Cutting knives are sharpened by hand to razor edge and precision inspected to insure positive long lasting cutting qualities. Precision milling of the lap joints insures a tight fitting yet easy-to-operate tool.

No.	Length
616	6"
617	7"

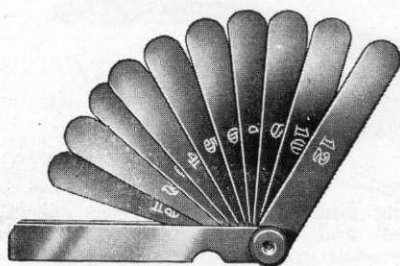
### Lock Wrench Pliers



Mac Lock Wrench is a solid, trim, adjustable wrench with tremendous gripping power, locks with a vise-like grip that will not slip. Hundreds of uses for this tool.

No.	Length
LW-1	10"
LW-2	7"

## Quality Feeler Gauges

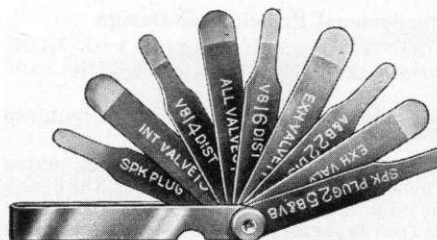


No. FG-1

## 10 BLADE GAUGE

10 Blade, 3½" long.  
Contains 1 each .002,  
.003, .004, .005, .006,  
.007, .008, .010, .012,  
.015.

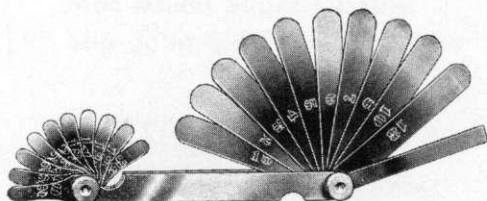
### Special Ford Gauge



**"Go and No-Go" Feeler Gauge"**—.025 for spark plugs on models "B" and V-8, .022 for valves on model "B," .022 with narrow tip for distributor on models "A" and "B," .017 for valves on model "A," .016 for V-8 V-8 distributor, .014 models "A" and "B,"

No. FG-5

### Combination Feeler Gauge

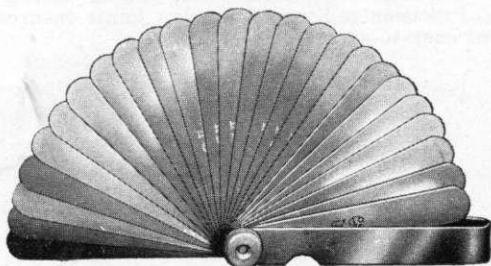


10 1¼" Blades					10 3½" Blades				
Sizes	.012	.018	.024	.028	Sizes	.002	.005	.008	.013
	.013	.020	.025	.032		.003	.006	.010	.015
	.014	.022				.004	.007		

No. FG-2

## 1 Coil Point File

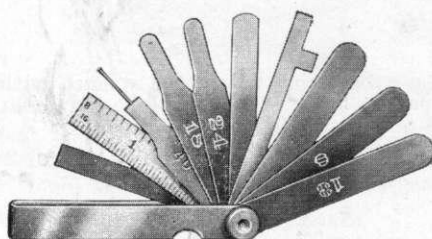
## Master 25-Blade Gauge



Sizes: .0015 .002 .003 .004 .005 .006 .007 .008 .009 .010  
.011 .012 .013 .014 .015 .016 .018 .020 .022 .024  
.025 .028 .030 .032 .035

No. FG-3

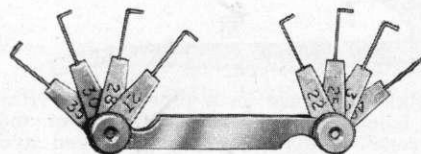
## Special Chevrolet Feeler Gauge



No. FG-4

Contains four  $\frac{1}{2}$ " wide blades — .006, .008, .013 and .032 thicknesses; three  $\frac{1}{4}$ " fingers — .018, .024 and .040 thicknesses. Also a carburetor float depth gauge, tungsten file and 3" scale.

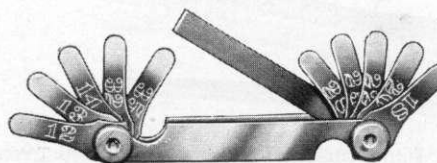
## Spark Plug Gauge



No. FG-6

This Gauge consists of one each .022, .025, .027, .028, .030, .032, .035 and .040 Wire Gauges.

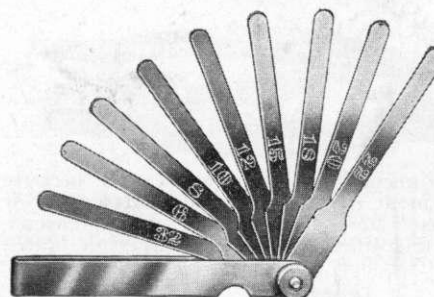
### Ignition Gauge



No. FG-7

Blade Sizes: .012,  
.013, .014, .018, .020,  
.022, .025, .028, .032,  
.035 and File.

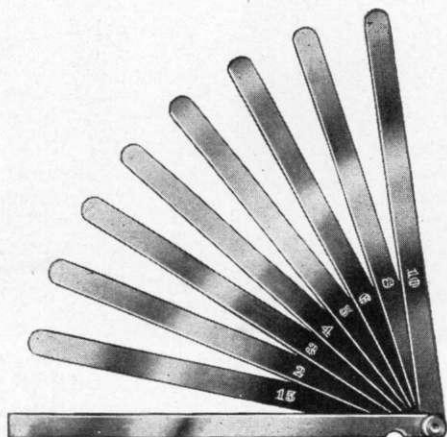
### Brake Gauge



No. FG-8

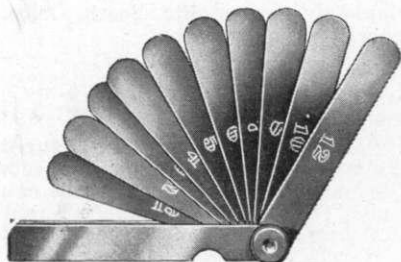
Contains one each  
.006, .008, .010, .012,  
.015, .016, .020, .022,  
and .032.



**Piston Gauge**

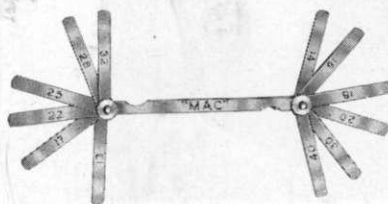
8 Blade, 9" long. Contains 1 each .002, .003, .004, .005, .006, .008, .010, .015.

No. FG-9

**Standard Feeler Gauge**

9 Blade, 3½" long. Contains 1 each .004, .005, .006, .007, .008, .010, .011, .013, .015.

No. FG-15

**Ignition Gauge**

Contains twelve blades, 1½" long, ⅜" wide. One each .013, .014, .016, .017, .018, .020, .022, .025, .028, .030, .032, .040. For points and spark plugs.

No. FG-15

**Extra Blades**

3½" blades carried in stock in all sizes from .0015 to .040 inclusive. ½" wide. Size marking and punched. Packaged in lots of six pieces. In ordering merely specify size required.

**Feeler Gauge Stock**

Carried in 12" lengths only, in all sizes from .0015 to .040 inclusive. ½" wide. Size marking and punched. Packaged in lots of six pieces. In ordering merely specify size required.

**Feeler Stock Holders**

Holders are excellent for roll stock use. A small supply of any size stock can be kept in the single end, being pulled out as needed.

Our 12" Blades also are handy in these Holders.

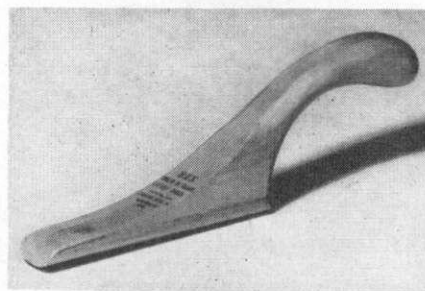
The double end holds 2 sizes stock for valve work. One end for intake valves, the other for exhaust valves. Mechanics like these Holders.

No. FG-10

Single End—Length 5½"

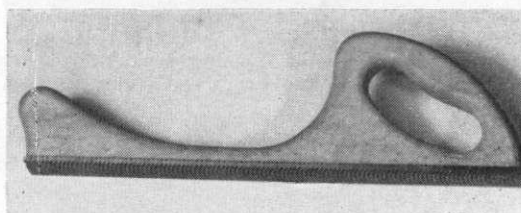
No. FG-11

Double End—Length 6"

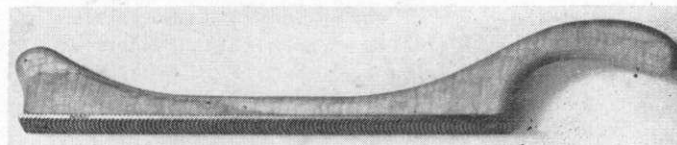
**Solder Paddles**

Hard maple for long lasting, clog-free service. Boiled in tallow to preserve and lubricate.

No.	Blade
SP 11	4" x 1⅜" (flat)
SP 22	4" x 1¾" (flat)
SP 33	5" x 1" (rounded)
SP 3 Complete set of three	

**File Holders**

No. FH 11—File Holder

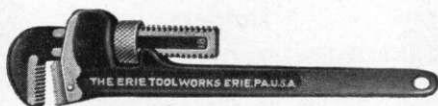


No. FH 22—Old Smoothie Holder

**Flexible Mechanical Finger**

Extremely useful tool in limited working space. Used in "hard-to-get-at" spots, too small to insert the hand. Tool can be bent into many shapes such as a double "S" or at a double right angle and still retain full operation of the jaws. No. MF-15—Fully flexible type—15" long with an 8" flexible section.

## Pipe Wrenches



No.	Length	No.	Length
PW-6	6"	PW-14	14"
PW-8	8"	PW-18	18"
PW-10	10"		

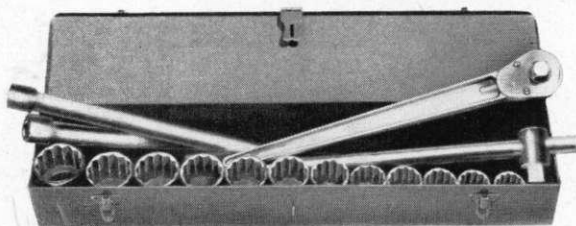
## Adjustable Wrenches

(Not Replaceable)



No.	Length	No.	Length
AJ-4	4"	AJ-10	10"
AJ-6	6"	AJ-12	12"
AJ-8	8"		

## Heavy Duty Sockets



Thin wall design  $\frac{3}{4}$ " handle opening sockets. Hot broached and grooved. Heavy duty handles.

Set No. HDS-11—Complete in metal box consisting of 14 sockets from 1-1/16" opening to 2" inc. One each of 8" and 16" Extensions. One Sliding Tee Handle. One reversible Ratchet.

(All the above items also sold individually)—as follows:

No.			
S 1	7/8"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 2	15/16"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 3	1"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 4	1-1/16"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 5	1-1/8"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 6	1-1/4"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 9	1-7/16"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 10	1-1/2"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 11	1-5/8"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 13	1-3/4"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 15	1-7/8"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets
S 16	2"	op. $\frac{3}{4}$	Ser. 12 pt. Sockets

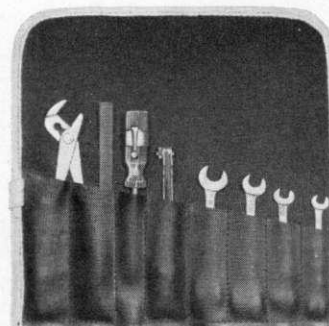
SH20—20" Sliding Tee Handle

RR 1—Reversible Ratchet

HE 8—8" Extension

HE16—16" Extension

## Ignition Wrench Set



Listed below are two Ignition Tool Kits. The KIWS Kit is our Special kit containing four Wrenches, File, Feeler Gauge, Plier and Neon Screw Driver. The KIW Kit contains a limited assortment consisting of the four Wrenches and Plier only. Both assortments put up in attractive and substantial Leatherette tool kit.

Set KIW Consists of the following:

No.		Opening Size
IW-2	Wrench	13/64" x 7/32"
IW-4	Wrench	1/4" x 15/64"
IW-6	Wrench	9/32" x 11/32"
IW-8	Wrench	5/16" x 3/8"
P-3	Ignition Plier	

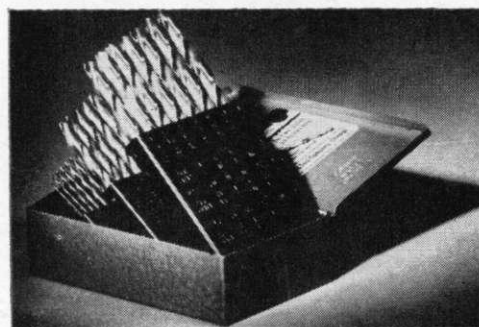
Set KIWS Consists of the following:

No.		Opening Size
IW-2	Wrench	13/64" x 7/32"
IW-4	Wrench	1/4" x 15/64"
IW-6	Wrench	9/32" x 11/32"
IW-8	Wrench	5/16" x 3/8"
PF-5	Steel Point File	
FG-15	Ignition Feeler Gauge	
P-3	Ignition Plier	
ST-2	Ignition Neon Screw Driver	

The above sets service completely the Autolite, Bosch, Delco, Remy, Eisemann and General ignition systems.

## Drill Sets (High-Speed) Straight Shanks

These Drills are of the Highest quality and manufactured under most exacting requirements and specifications. All sets are supplied in Hinged Holders as per illustration. Drills can be purchased individually also. Please note the three different sets put up in sizes to meet your requirements. These are all High Speed Drills.



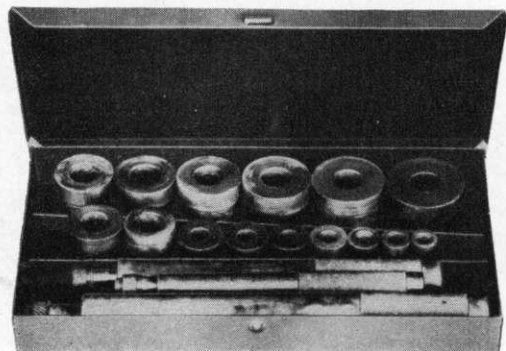
DM- 1	29 Drills 1/16" to 1/2" by 64ths
DM- 3	13 Drills 1/16" to 1/4" by 64ths
DM-15	15 Drills 1/16" to 1/2" by 32nds

(All Sets in Metal Cases)

## Individual Drills

No.	Drill Size Inches	Dec. Equiv. Inches	No.	Drill Size Inches	Dec. Equiv. Inches
HD4	1/16	.0625	HD19	19/64	.2969
HD5	5/64	.0781	HD20	5/16	.3125
HD6	3/32	.0937	HD21	21/64	.3281
HD7	7/64	.1094	HD22	11/32	.3437
HD8	1/8	.1250	HD23	23/64	.3594
HD9	9/64	.1406	HD24	3/8	.3750
HD10	5/32	.1562	HD25	25/64	.3906
HD11	11/64	.1719	HD26	13/32	.4062
HD12	3/16	.1875	HD27	27/64	.4219
HD13	13/64	.2031	HD28	7/16	.4375
HD14	7/32	.2187	HD29	29/64	.4531
HD15	15/64	.2344	HD30	15/32	.4687
HD16	1/4	.2500	HD31	31/64	.4844
HD17	17/64	.2656	HD32	1/2	.5000
HD18	9/32	.2812			



**Bushing Remover and Replacing Set**

These tools are made of a high grade steel, heat treated and tempered for hard use and long life.

The outside diameters are perfectly true with each other. A practical bushing remover and replacing set designed to meet the demand of the up-to-date garage.

**Drives All Passenger Car Bushings and a Large Percentage of Truck and Tractor Bushings**

No. 875-A

**Gasket or Hollow Punch Set**

Seven popular sizes from  $\frac{1}{4}$  to  $\frac{5}{8}$  inch inclusive in compact metal case. This is a really serviceable set and will stand unlimited use when a Babbet or wooden block is used under material when punching holes in gaskets.

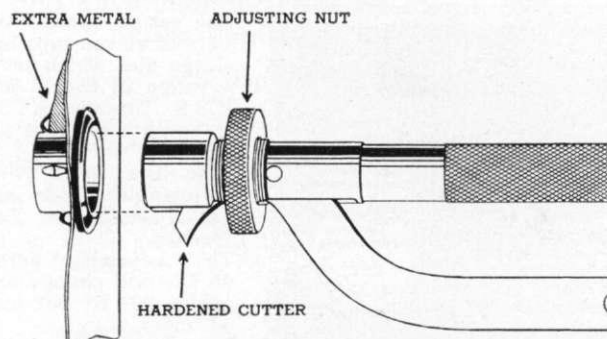
No. 79-P—Set complete in case.

Weight  $2\frac{1}{4}$  lbs.

**Spring Greasing Tool**

All car chassis springs that are equipped with steel covers should be packed with grease about every 5000 miles. On some older cars without a hole in the spring cover, drill a  $\frac{3}{16}$ " hole in the center of the bottom, one-third of the distance from the spring eye to the axle, at least one inch from edge of section cover.

No. 303—Spring Greasing Tool

**Door Handle Ferrule Tool**

Door Handle Ferrule Tool attaches door handle ferrules **Rigidly**. Adjustable for all General Motors Cars and Trucks, all years, all models, both wood and steel construction. Special adjusting nut permits tight installation of ferrule on repaired door panels and rear deck lids that have been built up unevenly by welding or with body solder.

No. HT-19

**Pitman Arm Remover**

Ideal for all passenger cars and small trucks where Pitman arm extends through frame.

No. PR-40—Pitman Arm Remover

**Mac Allied Tie Rod Spreader**

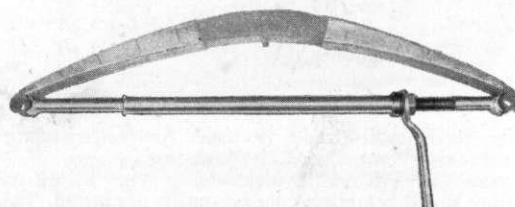
Works on the wedge principle and will spread the toughest clamp. Opening is forged  $11/16$ " wide to straddle bolts on Ford, Chevrolet, etc. Is also used to spread shock absorber link clamps. Heat treated and guaranteed.

No. TS-38—Tie Rod Spreader

No. TS-39—Shock Absorber Spreader with  $9/16$ " opening. Same design as No. TS-38.

**New Improved Spring Spreader**

For Ford, Mercury and Lincoln Springs

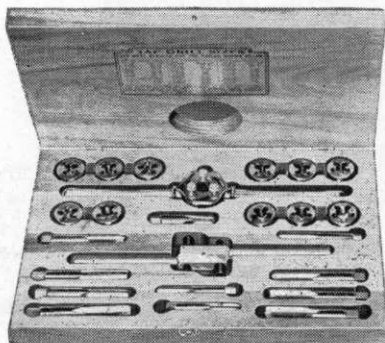


Designed to give mechanic a complete, safe, and efficient unit for spreading both front and rear springs on Ford, Mercury and Lincoln automobiles. The  $10$ " offset handle permits working in limited space. Priced very low for this type of equipment.

No. SS-25—Spreader only

No. SS-25W—Wrench only

### Tap and Die Sets



The set as shown consists of eleven taps and eleven dies which cover a range in S.A.E. and U.S.S. threads  $\frac{1}{4}$ " to  $\frac{1}{2}$ " with a  $\frac{1}{8}$ " pipe tap and die.

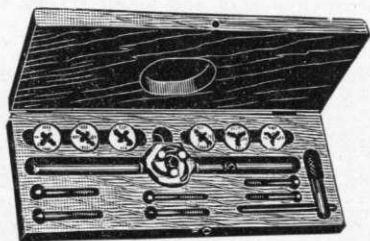
Also Die Stock with Adjustable Guide and an Adjustable Tap Wrench.

The Adjusting Screw on Die will change size of die .001 to .003 over or under.

This is a High quality set containing the most necessary sizes required for Automobile Work. The Dies are adjustable making possible a loose or tight fit to the Thread. This therefore provides advantages of solid die and those of Split Dies.

No. 46TD—Set contains one each of the following units neatly packed in a fine wood box:

No.	No.
DS4 Die Stock	T2 1/4—20 U.S.S. Tap
TW1 Adj. Tap Wrench	T4 5/16—18 U.S.S. Tap
D2 1/4—20 U.S.S. Die	T6 3/8—16 U.S.S. Tap
D4 5/16—18 U.S.S. Die	T8 7/16—14 U.S.S. Tap
D6 3/8—16 U.S.S. Die	T10 1/2—13 U.S.S. Tap
D8 7/16—14 U.S.S. Die	T12 1/4—28 S.A.E. Tap
D10 1/2—13 U.S.S. Die	T14 5/16—24 S.A.E. Tap
D12 1/4—28 S.A.E. Die	T16 3/8—24 S.A.E. Tap
D14 5/16—24 S.A.E. Die	T18 7/16—20 S.A.E. Tap
D16 3/8—24 S.A.E. Die	T20 1/2—20 S.A.E. Tap
D18 7/16—20 S.A.E. Die	T22 1/8" Pipe Tap
D20 1/2—20 S.A.E. Die	D25 1/8" Pipe Die

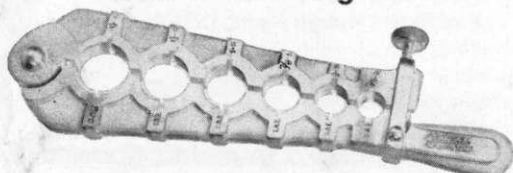


The No. 22TD Machine Screw Tap and Die set carries six very popular size Machine Screw Taps and Dies. The set also contains the Adjustable Guide Die Stock and an Adjustable Tap Wrench of the Tee Type can also be used as a Reamer Wrench within its capacity.

No. 22TD—Set contains one each of the following units neatly packed in a fine wood box.

No.	No.
MST5 4-36 M.S. Tap	TW-2 "T" Type Tap Wrench
MST10 6-32 M.S. Tap	MSD5 4-36 M.S. Die
MST15 8-32 M.S. Tap	MSD10 6-32 M.S. Die
MST20 10-24 M.S. Tap	MSD15 8-32 M.S. Die
MST25 10-32 M.S. Tap	MSD20 10-24 M.S. Die
MST30 12-24 M.S. Tap	MSD25 10-32 M.S. Die
DS2 Die Stock	MSD30 12-24 M.S. Die

### Axle Rethreading Die



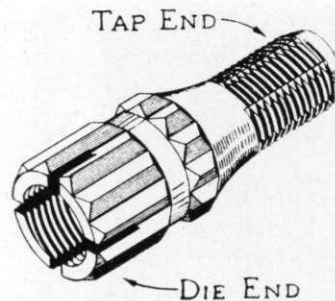
This Axle Rethreading Die is used for rethreading axles without removing them from the housing.

Wheels removed with difficulty using the knock-off type wheel puller the threads are occasionally damaged. This Axle Rethreading Die will rechase the threads quickly. The die is split for quick application and is fitted to the threads at the back end of the axle. Always apply the tool to the rear of the thread and back it off.

Has the following S.A.E. thread sizes:  $\frac{5}{8}$ ",  $\frac{3}{4}$ ",  $\frac{7}{8}$ ", 1",  $1\frac{1}{8}$ " and  $1\frac{1}{4}$ ".

No. AD-10—Length 11".

### Tap and Die Chasers



Tap and Die Chaser for correcting Inverted Flared Fittings that have been cross threaded. Put up one set of three (carbon steel) Chasers to box.

The external twelve points will enable you to use these chasers by hand or with any socket wrench.

No. TDC-5 Consists of one set of

- 1— $\frac{3}{8}$ " — 24 P.I. Thread for  $\frac{3}{16}$ " tube size
- 1— $\frac{7}{16}$ " — 24 P.I. Thread for  $\frac{1}{4}$ " tube size
- 1— $\frac{1}{2}$ " — 20 P.I. Thread for  $\frac{5}{16}$ " tube size

### Spark Plug Threading Tools

Aluminum is a soft metal and threaded holes in it must be used with the greatest caution. A spark plug that is not started straight can easily strip the thread in the cylinder head. Most cylinder head pullers use the spark plug holes to lift the cylinder head and the danger of stripped threads is always present.



No.	Description
SPT-10	10 m/m Packard
SPT-14	14 m/m (V8-60 Ford)
SPT-18	18 m/m (V8-85 Ford)
SPT-25	$\frac{7}{8}$ -18
SPC-4	4 Step Counterbore

SPT-40 Set—Contains one each of the above put up in very fine wood box.

### Ford-Chevrolet-G.M.C. Trucks Axle Housing Dies

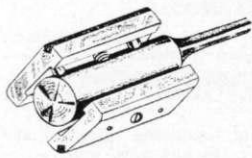


Place the die on the back of the thread and back off through the damaged thread. This tool is made from alloy steel and thoroughly heat-treated. It is another "tough tool for tough jobs" and will stand the gaff.

- RD- 5—Chev. Truck .....  $2\frac{1}{8}$  - 16
- RD-10—Ford Truck, Federal Truck .....  $2\frac{1}{4}$  - 16



### Special Hyland Hone

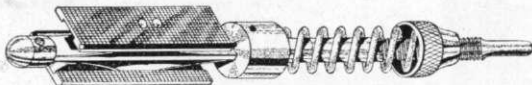


For servicing blind wheel brake cylinders on Chrysler, Plymouth, Dodge and DeSoto cars.

No.

HH 40 Brake Cylinder Hone Complete  
HH 40A Honing Stone Assembly Replacement

### Hyland Hones



No. HH-20

Servises Brake Cylinders—1" to 1½"

Hones Hydraulic Brake Cylinders to a Mirror Finish in a Few Seconds.

Saves Time  
Low Price  
Guaranteed

This new Hyland Hone featuring Carborundum Stones in combination with Fibre Blades produces a fast yet smooth cutting tool for reconditioning Hydraulic Brake Cylinders. Both Master and Wheel Cylinders are easily reconditioned with this reasonably priced tool.

No.

HH10—Services Brake Cylinders ¾" to 1"  
HH20—Services Brake Cylinders 1" to 1½"  
HH30—Services Brake Cylinders 1½" to 2"  
HH50—Set Services Brake Cylinders ¾" to 2"

Replacement Parts Can Be Supplied

### Hydraulic Brake Cylinder Cleaner and Polisher



Cleans . . . Polishes . . . Guaranteed

This brake cylinder cleaner and polisher meets a demand for a satisfactory method to clean or polish the inside of a brake cylinder. The film of rust and muck is quickly, thoroughly cleaned in a few seconds. Also by wrapping a small piece of emery paper around the blades of the Cleaner and Polisher the cylinder can be honed to a mirror finish in a very short time.

Chevrolet Service Men:—

The No. BC-25 Tool makes an excellent method of re-sizing flange-plate bushings on the Chevrolet knee-action cars. A small piece of emery paper can be wrapped around the blades of the tool and used to re-size flange-plate bushings on Chevrolet knee-action cars, 1934-38 inclusive.

No.

Description

BC-10 Cleaner and Polisher—Services Cylinders 1" to 1½"  
BC-15 Cleaner and Polisher—Services Cylinders 1½" to 2"  
BC-25 Cleaner and Polisher, includes BC-10 and BC-15  
BC-10A Replacement Polishing Heads Only  
BC-15A Replacement Polishing Heads Only

### Ridge Reamer—Announcing a New and Revolutionary Principle in Ridge Reamers

The principle of removing the ridge is the same as is employed when using an expansion reamer; therefore, a smooth wall surface is achieved.

The elimination of the troublesome and continuous adjusting of the Cutter Blade as employed by many Ridge Reamers.

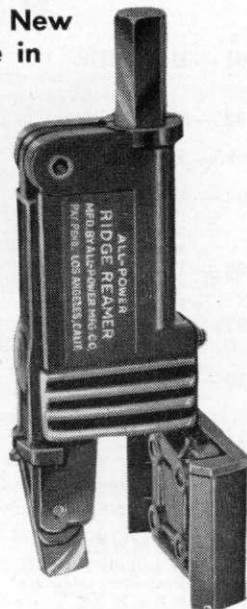
Featuring a  
CARBOLOY TIPPED  
CUTTER BLADE

That services many cylinders without re-sharpening.

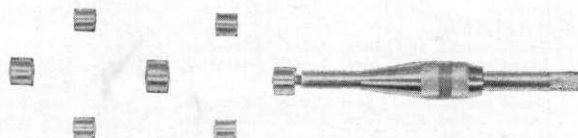
No.

RR-104—Ridge Reamer  
2.6" to 4" Cap.

RB-2—Extra Cutter Blade Only



### Clutch Aligning Tool



The clutch disc and pressure plate must be centralized and in perfect alignment with the pilot bearing in the flywheel to assure perfect performance. Therefore it is very essential that proper pilots are used when assembling the clutch—pilots which are machined true and heat treated to assure long service. One tool—nine pilots, providing diameters from .375 to .984. Bright nickel finish.

No. CA-20

### Crankshaft Journal Gauges

Measures Diameter of Crankshaft Main Bearing Journal Accurately Without Removing Crankshaft

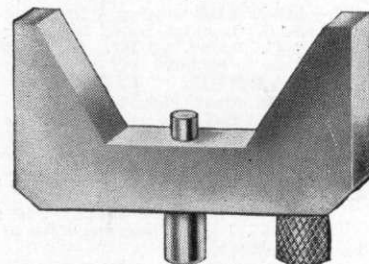
Determines  
Out-of-Round

Checks Actual Taper

No.

CG-1 To Check Diameters 1.970" to 2.550"  
CG-2 To Check Diameters 2.470" to 3.250"  
CG-3 To Check Diameters 3.220" to 4.125"

Complete Instructions with Each Tool



### Thread Restorers



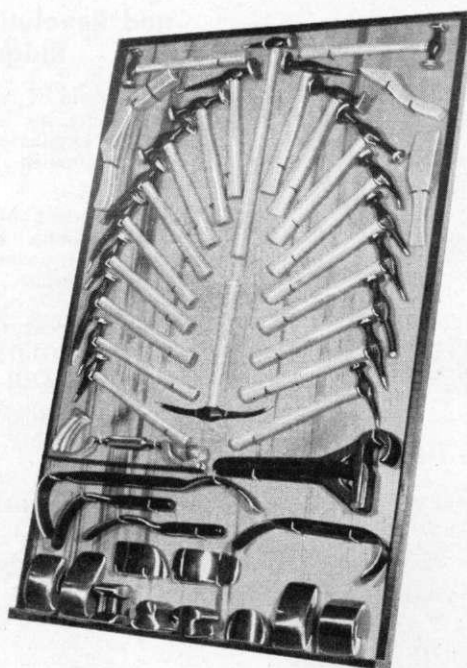
A few strokes across battered threads produce a true new thread—nut will then go on easily. These tools are real trouble and time savers.

No. TR-1—Thread Restorer—has 8 thread sizes—11, 12, 13, 14, 16, 18, 20, and 24 threads to the inch.

No. TR-2—Thread Restorer—has 9, 10, 15, 16, 20, 26, 28, and 32 threads to the inch.

# BODY AND FENDER TOOLS

- No. 101 — **HAMMER**  
1-5/8" Diameter flat face; 3-3/4" pole with ball for raising.
- 102 — **HAMMER**  
1-5/8" Diameter flat face — 3-3/4" pick.
- 103 — **HAMMER**  
1-3/4" Diameter flat face — 5-1/2" pick.
- 104 — **HAMMER**  
9 Oz. Flat faces; Diameter Square 7/8"; Round 1-3/16" 1-5/16" Clearance. Face to handle.
- 106 — **HAMMER**  
17 Oz. Flat faces, Diameter: Square 1 1/2", Round 1-3/16" 1-5/8".
- 107 — **HAMMER**  
15 Oz. Flat faces, Diameter: Square 1 1/2", Round 1-5/8".
- 110 — **HAMMER**  
4-3/4" curved pick. 4-3/4" curved chisel. Ideal roof nail hammer.
- 111 — **HAMMER**  
Cross chisel, 3" long. Flat face, Diameter 1-1/2".
- 112 — **HAMMER**  
Pick, 2-3/4" long. Flat face, Diameter 1-1/2".
- 113 — **HAMMER**  
"Caulking" Chisel, 3" long. Flat face, Diameter 1-1/2".
- 114 — **HAMMER**  
Flat Face, Diameter 1-1/2"; Chisel 2-3/4" long.
- 115 — **HAMMER**  
Flat face, Diameter 1-1/2"; Chisel 2-3/4" long.
- 121 — **HAMMER**  
Small round flat face, 1-1/4" Diameter. Large round flat face, 1-3/4" Diameter.
- 122 — **HAMMER**  
Small round "oval" face, 1-1/4" Diameter. Large round flat face, 1-3/4" Diameter.
- 123 — **HAMMER**  
Large round flat face, 1-3/4" Diameter. Pick 3" long.
- 131 — **HAMMER**  
Flat round face, 1-3/8"; Curved pick 4-3/4".
- 134 — **HAMMER**  
Flat round face, 1-3/4" Diameter. Bending Chisel, 3-1/2" long.
- 137 — **HAMMER**  
Flat round face, 1-1/2" Diameter. Thick Chisel, 3-1/2" long.
- 138 — **HAMMER**  
Flat round face, 1-1/2" Diameter. Straight Chisel, 3" long.
- 140 — **HAMMER**  
7-1/2 Oz. Flat faces, Diameter: Square 7/8", Round 1-3/16". 1-1/4" Clearance. Face to handle.
- 141 — **HAMMER**  
8 Oz. Short Pick, 1-7/16" long. Round flat face 1-3/16" Diameter.
- 142 — **HAMMER**  
9 Oz. Long Pick, 3-1/8" long. Round flat face 1-3/16" Diameter.
- 143 — **HAMMER**  
7 Oz. Flat round face, 1-3/16"; Chisel 2-1/4", 1-1/4" Clearance. Face to handle.
- 144 — **HAMMER**  
Flat round face, 1-3/16" Diameter; Sharp Point, 1-7/16" long.
- 145 — **HAMMER**  
7-1/2 Oz. Flat round face, 1-3/16" Diameter. Curved Chisel, Length 3".
- 146 — **HAMMER**  
7-1/2 Oz. Flat round face, 1-3/16". Curved Pick, Length 3".
- 147 — **HAMMER**  
Flat round face, 1-3/16" Diameter. Blunt Point, 1-7/16" Long; 6-1/2 Oz. 1-1/4" Clearance.
- 152 — **HAMMER**  
Cross and Straight Chisel, 3" long. Body man's cross chisel or Welder's Chipping Hammer. Flat round face; 1-1/2" Diameter.
- 153 — **HAMMER**  
Smooth face — cross grooved.
- 156 — **HAMMER**  
3/4" Blunt Point; 3-1/8" Standard Pick. 19-1/2" overall length, good "reach".



- No. 157 — **HAMMER**  
Double Pick; Short, 1-7/8"; Long, 3-1/8". 19-1/2" overall length, good "reach".
- 158 — **HAMMER**  
16 Oz. Flat faces, Diameter: Square 1-5/8"; Round 1-3/4". Round Face Cross Grooved.
- 159 — **HAMMER**  
8-1/2 Oz. Flat faces, Diameter: Square 1"; Round 1-1/4". Round Face Cross Grooved.
- 160 — **HAMMER**  
7-1/2 Oz. Flat Round face, 1-3/16" Diameter. Pick 3-1/8" long.
- 164 — **HAMMER**  
Flat Round face, 1-1/2" Diameter; Chisel 2-3/4". Round Face Cross Grooved.
- 166 — **HAMMER**  
20 Oz. Round face oval runs with handle. Square face oval runs crosswise. For use on concave surfaces or short stroke bumping hammer.
- 167 — **HAMMER**  
9 Oz. Round face oval runs with handle. Square face oval runs crosswise. For use on concave surfaces or short stroke bumping hammer.

## Curved Tool Body Files and Holders



This Nolvex File is recommended for use on sheet steel of all kinds, but especially designed for body and fender work. The curved groove patented feature prevents packing and loading—will not clog.

No. 4146 — Set complete including six files and holder. Files as well as holder can be purchased individually.

- No. 170 — **HAMMER**  
22 Oz. Rubber faced bumping hammer. Rubber vulcanized to steel.
- 201 — **DOLLY**  
44 Oz. The new general purpose Dolly.
- 202 — **DOLLY**  
45 Oz. A Dolly combining many of the features of the toe and heel Dolly.
- 204 — **DOLLY**  
40 Oz. Combining roof rail and Bead Dolly.
- 205 — **DOLLY**  
24 Oz. Panel and Door Dolly. Hand can be placed inside for protection.
- 206 — **DOLLY**  
23 Oz. Spoon Dolly. A thin, oval Dolly—useful behind braces.
- 207 — **DOLLY**  
49 Oz. Heavy Wedge Dolly. Improved toe Dolly.
- 209 — **DOLLY**  
49 Oz. "Barrel" Dolly—the original high crown Dolly.
- 211 — **DOLLY**  
35 Oz. "Comma" Dolly. Combination Spoon and Dolly.
- 213 — **DOLLY**  
50 Oz. Streamline Dolly. Designed especially for semi-crown and many new type fender and body crowns.
- 215 — **DOLLY**  
58 Oz. Bumping Dolly with permanent handle. Used for roughing out.
- 217 — **DOLLY**  
25 Oz. Low Crown Dolly. Medium weight, 1" high.
- 218 — **DOLLY**  
41 Oz. Each side of the angle is a different crown for both panel and fender use.
- 220 — **DOLLY**  
31 Oz. A really "smooth" Dolly with no sharp edges or corners.
- 221 — **DOLLY**  
35 Oz. Toe Dolly. Very popular original design.
- 222 — **DOLLY**  
32 Oz. Heel Dolly.
- 223 — **DOLLY**  
40 Oz. General purpose. Sometimes called Railroad Dolly.
- 224 — **DOLLY HANDLE**  
4-1/2" long.
- 225 — **DOLLY**  
31 Oz. A handy extra Dolly with angles and curves not available on other Dollies.
- 228 — **DOLLY**  
36 Oz. A compact general purpose Dolly. Easier to grip and use.
- 229 — **DOLLY**  
49 Oz. Commonly known as "Loaf" Dolly.
- 252 — **FLANGE TOOL**  
Fender flange and running board tool. Rubber protection pad vulcanized to steel.
- 253 — **SPOON**  
14" Overall. Single blade.
- 254 — **SPOON**  
Hand forged from Octagon Steel. 19" Overall.
- 255 — **SPOON**  
15" Overall. Hand forged from Octagon Steel.
- 256 — **SPOON**  
14" Overall. Extra curved. Single blade.
- 257 — **FILE HOLDER**  
Aluminum. With Upright, adjustable, lock wing nut.
- 259 — **FILE HOLDER**  
Wood. "Goose-Neck", rigid, good hand grip.
- 262 — **FILE HOLDER**  
Wood. Upright, rigid, ample hand grip.
- 273 — **HAMMER HANDLE**  
12" Light.
- 274 — **HAMMER HANDLE**  
12" Regular.
- 276 — **HAMMER HANDLE**  
20" Light.
- S-3 — **SOLDER PADDLE SET**  
(Set of three)



### Screw Holding Screw Drivers



#### REALLY HOLDS THE SCREW

Shockproof-Unbreakable Plastic Handle.  
Pentagonal Button Prevents Rolling.  
High Carbon Spring Steel Blade with Hollow Ground Bit.  
Strong "Rust-Resisting" Steel Tubing.

#### No.

SH-4—4 in. x 1/4 in. Shank .035 in. Bit  
SH-5—6 in. x 3/16 in. Shank .028 in. Bit  
SH-6—6 in. x 1/4 in. Shank .035 in. Bit  
SH-8—8 in. x 1/4 in. Shank .035 in. Bit

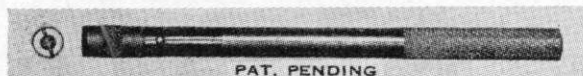
### Reed and Prince Screw Drivers



Among the various types of recessed head screws on the market is the Reed and Prince cross slot screw which is becoming increasingly popular. This screw differs from the Phillips screw. The slots are such that each requires a special screw driver. Phillips screw drivers cannot be used successfully on Reed and Prince, or vice versa.

No.	Blade Length	Blade Diameter
RP-700	3 in.	3/16 in.
RP-705	1 1/2 in.	1/4 in.
RP-710	4 in.	1/4 in.
RP-715	6 in.	5/16 in.
RP-720	8 in.	3/8 in.

### Screw Starters



For starting screws — a standard driver to be used to tighten. End of tool chucks tightly into screw slot. Will withstand an eight pound pull and automatically release when pressure becomes too great. Duraluminum handles.

No.	Length
SS-2 Screw Starter	2 1/2"
SS-5 Screw Starter	5 1/4"
SS-10 Screw Starter	9 1/4"
SS-15 Chevrolet Pan Screw Starter	13 1/4"

### Stud Remover New Detachable Wedge Type



Latest development in stud pullers. Services 1/4" to 5/8" studs. Turns in a smaller circle and will work much closer to obstructions. Set-screw in side of puller prevents loss by keeping wedges in body when not in use.

No. SR-10 Complete with two wedges

### Knock-Off Wheel Pullers

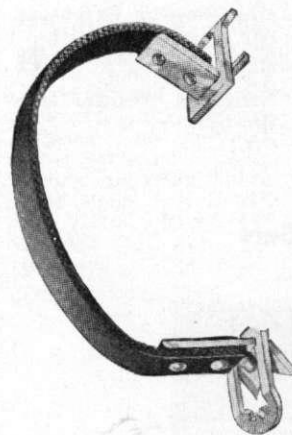


To use the "axle-type" wheel puller simply screw it on end of axle shaft until it bottoms, then by striking the end of the puller a sharp blow with a heavy hammer the wheel is loosened. For best results jack up opposite wheel.

We do not claim any superlative powers for our wheel pullers, but we do feel that we have improved a tool that is misused more than any tool in a mechanic's box. Our pullers have been put to the test by the men who have to use them every day.

No.	Thread	Length	Weight	Hex Size
W-1	5/8-18	2 1/8	10 ozs.	1 1/8
W-2	3/4-16	2 1/8	10 ozs.	1 1/8
W-3	7/8-14	2 1/8	14 ozs.	1 3/8
W-4	1-14	2 1/8	14 ozs.	1 3/8
W-5	13/16-16	2 1/8	14 ozs.	1 3/8
W-6	3/4-20	2 1/8	10 ozs.	1 1/8
W-7	7/8-16	2 1/8	14 ozs.	1 3/8
W-8	7/8-18	2 1/8	14 ozs.	1 3/8
W-9	1 1/8-12	2 1/8	14 ozs.	1 3/8
W-10	1 1/4-12	2 1/8	15 ozs.	1 1/2

KW-12 Set consists of one each Nos. W-1, W-2, W-3 and W-4.



### Sure-Grip Battery Carrier

#### Long Style

SureGrip self-locking ends positively hold the heaviest battery without danger of slipping. The greater the weight the tighter they grip. EXTRA LONG to handle the new 20" batteries.

#### No.

BL-5—Short Type Cells assembled side by side  
BL-10—Long Type Cells assembled end to end

### Hydraulic Brake Clip

Universal. Covers all passenger and commercial cars. Instantly adjusted to any size brake cylinder, within its range.

Squeeze the clip and let it come back into the Cylinder, before removing shoe. Tension applied by the clip will keep the pistons in position, preventing oil leakage and displacement of parts. Time and effort will be saved by clipping one on each cylinder until ready for reassembly. Leave each together.

Made of 3/16" hardened spring steel wire.

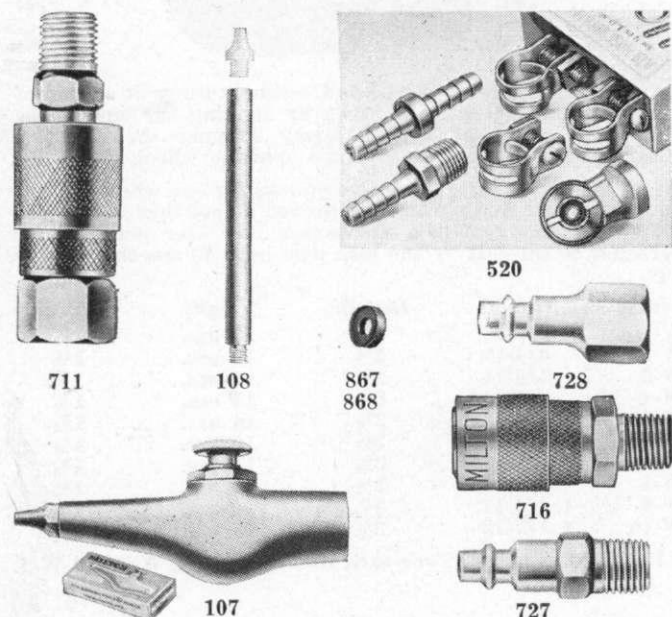
No. BC-5





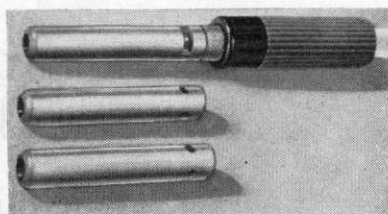
## Airline Tools and Fittings

Kwik-Change Couplers with both Male and Female Plug connections save valuable time. These are used with all air operated equipment such as Blo-Guns, Paint Sprayers, Air Hammers, etc. These items listed below are a necessity for garages and service stations.



No.		No.	
711	Kwik Coupler and Plug	108	4-in. Blo-Gun Extension
716	Male Coupler Body	520	Air Hose Repair Kit
727	Male Plug Only	867	Neoprene Washer for Air Lines
728	Female Plug Only	868	Neoprene Washer for Blo-Gun
107	Blo-Gun		

## Welding Tip Sets



Slips onto your Welding Torch Tip. For body soldering—tinning — light brazing. Produces efficient Acetylene-Air Flame. Saves oxygen cost.

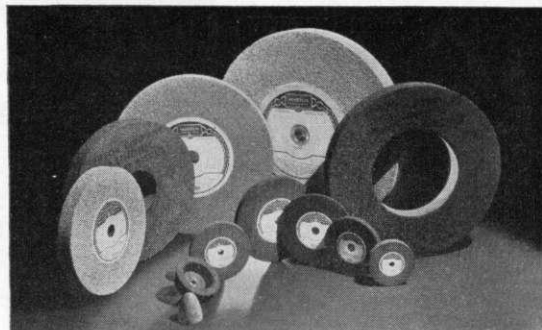
Every shop that has an oxy-acetylene torch should have this set. These easy-to-use, low cost tips produce just the right type of flame for soldering, tinning and light brazing jobs. Available in three sizes, covering a wide range that meets general shop requirements.

Base fitted with a 2" length of heavy duty, two-ply hose for quick, positive attachment to the tip on the welding torch.

No. AT-20 Set complete with three tips.

## Abrasive Grinding Wheels

Norton wheels are made from natural aluminous oxide abrasive . . . fully vitrified—giving you the finest, best cutting wheels you ever used. All 60 Grit wheels are grade "M" for fine general purpose work. All 36 Grit wheels are grade "O" which is a harder grade and better for heavier and rougher grinding.



No.	Diameter	Width	Arbor	Grit
GW8	6"	1/2"	1/2"	60
GW10	6"	1/2"	1/2"	36
GW12	6"	3/4"	1/2"	60
GW14	6"	3/4"	1/2"	36

## Flexible Wire Carbon Scraper



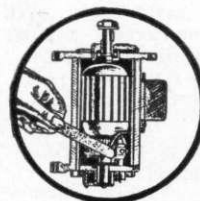
This Scraper has a claw-like end that scrapes clean and deep. Being flexible, it goes into all curves of cylinder heads. You get it all with this scraper.

The springs are made strong with oil-tempered spring wire. They fit the curve of every piston head without fail.

No. CS-10—10" Long, 1" Wide.

## Flexstone

"GETS to the POINT"



Can be bent or twisted and won't break. You can use it in awkward corners where you can't get with a steel "point file." Will not short circuit.

No.

FS-1—Length 4 1/2"

FS-2—Length 4 1/2", .025" Thick.

## Point Files



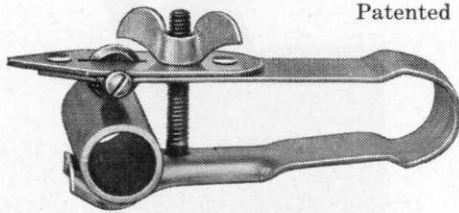
This double cut Tungsten file is the type preferred by all mechanics for filing breaker points. Has the "finger hold" on the end of handle.

No.	Length Cut	O. A. Length
PF- 5	2 3/4"	5"
PF-10—.025" Thick	2 3/4"	5"

**Self Feeding Tube Cutter**

With Reamer

Patented Oct. 16-34



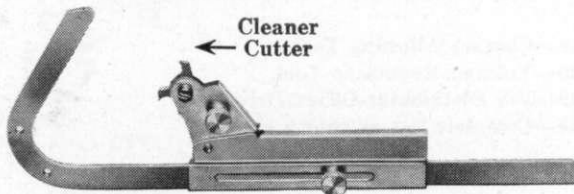
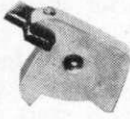
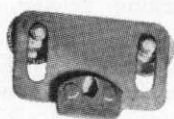
A sturdy compact special spring steel tube cutter for  $\frac{1}{8}$  to  $\frac{3}{4}$  Copper, Brass and Lead tubing.

Cutter and Reamer are made out of high grade tool steel. Place tube in cutter and give  $\frac{1}{2}$  to  $\frac{3}{4}$  turn of thumb nut, the tension in the frame giving a gradual feed until the tube is severed. No added turn on the thumb nut is necessary.

A speedy job without denting the tubing and a minimum burr is the result.

No.

TC1  $4\frac{1}{2}$ " long,  $\frac{1}{2}$ " Capacity  
 TC2  $5$ " long,  $\frac{3}{4}$ " Capacity  
 TCC Cutter Wheel Only

**Piston Reconditioning Tool**Drill  
JigLand  
CutterChamfering  
CutterCleaner  
Cutter

All parts as illustrated above carried in stock. Merely change cutter for type of work necessary.

No.

RG-3 Ring Groove Tool with Cutter  
 RG-3A Drill Jig  
 RG-3B Cleaner Cutter  
 RG-3C Land Cutter  
 RG-3D Chamfering Cutter

**Ring Groove Tool**

Cleans and deepens grooves to promote better ring action. Use STAPUT-RING LAND Tool to cut back piston lands and to chamfer or bevel lands — for that better ring job.

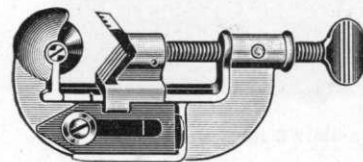
No.

Piston Size

RG-1  $2\frac{1}{2}$ " to  $4\frac{1}{2}$ " Passenger Cars  
 RG-2  $4\frac{1}{2}$ " to  $6$ " Trucks  
 RG-7 Land Reducing Cutter & Post  
 RG-11 Cleaning & Deepening Cutter & Post

**Tubing Cutter**

(With Safety Slide-lock Reamer)



Exclusive slide-lock safety reamer. Wafer-tapered hardened tool steel blade assures speedy and perfect cutting.

No.

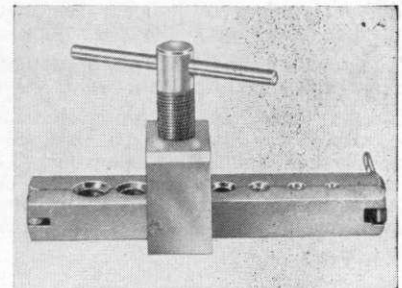
TC-4 Cutter Complete  
 TC-4C Cutter Wheel Only

**Tube Flaring Tool**

Will flare brass, copper or aluminum tubing to make S.A.E. flared joints without splitting. The gripping jaws are knurled. This prevents tube slippage during flaring operation. Takes tube sizes  $\frac{1}{8}$ ",  $\frac{3}{16}$ ",  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ " and  $\frac{1}{2}$ " O.D.

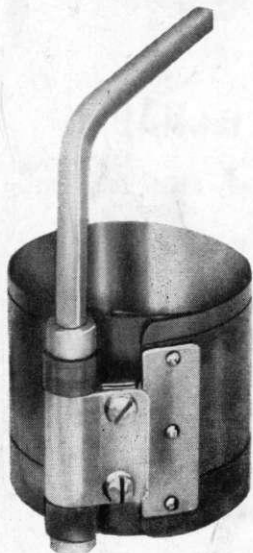
No. FT9—

Tube Flaring Tool

**Piston Ring Compressor**

A good strong and sturdy compressor at a low price. Made of finest clock spring steel with one-half inch wide wind-up double bands. Beads on edge of band prevents it slipping in cylinder.  $2\frac{1}{2}$ " band.

No. RC-60—For passenger cars only.

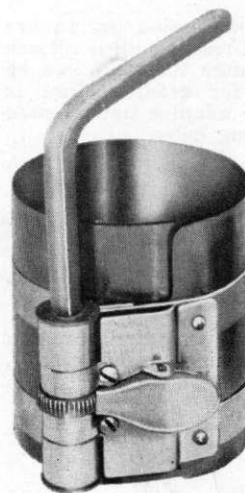
**Piston Ring Compressor**

(Ratchet Type)

This Ratchet Type Compressor has self-locking heavy duty ratchet pawl of oil tempered spring steel. Winding spool broached  $\frac{1}{2}$ " square and  $\frac{1}{2}$ " deep. Double friction brake adjustment in addition to ratchet. Beaded edge—compressor can't enter cylinder with piston.

No.

RC-50 —Passenger Car  
 3" Band  
 RC-50T —Truck Size



**Motor Tune-Up Set**

No. TK-5—Complete Set as shown above.

**Vacuum Gauge**

Vacuum Gauge shown above is a necessary instrument in checking motors. The dial is calibrated and marked in different colors to indicate the trouble. The gauge is also used in checking faulty fuel pump pressure.

The vacuum and fuel pump gauge detects engine trouble from leaky manifolds to weak valve springs.

Normal motor and fuel pump divisions are outlined in green. Faulty motor divisions are outlined in red. The red section is further subdivided showing "Leaky Manifold," "Heat Riser" and "Late Ignition or Carburetor Adjustment." Adjustable restriction screw controls the indicator vibrations, assuring accurate readings. Hose included with tool.

No. VG-5

**Compression Tester**

Registers from zero to 200 pounds compression per square inch and holds the highest compression reading until release button returns the reading to zero. Gauge therefore can be removed from the spark plug hole for reading. Dial is calibrated into 5-pound divisions. Cone adapter not affected by grease or gasoline. For all spark plug holes.

No. CT-5

**Timing Light**

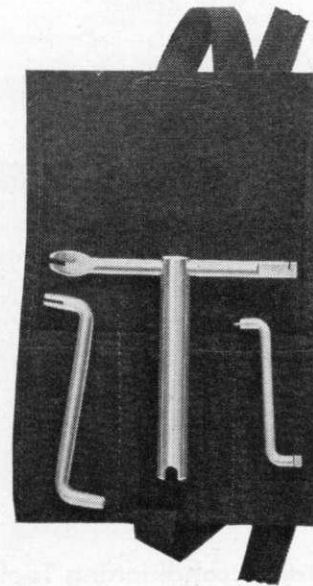
Rugged case will take hard usage given this tool during work.

The lens construction lights up strong showing timing marks sharply, brilliant enough to spot the timing marks exactly, to get perfect tune-up job. Gives a wide range of brilliance for spark plug testing.

No. TL-5

Sold as set complete in Metal Box or Individual Items.

No. TK-5B—Metal Box Only.

**Tune-O-Kit**

These tools designed for work on Delco-Remy or Autolite distributors, and others.

One for Stationary Contact aligning, raising, and bending arm.

Offset driver for V-8 Distributor 1937 model on.

Third tool for bending spring anchor on any voltage regulator, to exact degree.

No.

TU-119—Contact Aligning Tool.

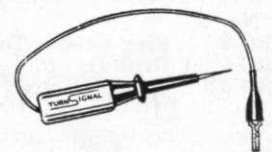
TU-126—Voltage Regulator Tool.

TU-139—V-8 Distributor-Offset Driver.

TU-160—Complete Set as shown above.

**Electric Testing Tool**

For Testing: Shorts or breaks in wiring. Radio circuits. Connections. Fuses—Bulbs. Armatures—Fields. Dead battery cells. Ignition Timing. Stuck Points. Ground circuits. Switches.



No. ET-100

**Spark-Testing Screw Drivers**

(Not Replaceable)

Brilliant Orange Flash, Plug O. K. Stringy Flash, Plug Partly Fouled. No Flash, Dead Plug.

Pyrolin Handle Shock Proof  
Vest Pocket Size



No. ST-2—Length 4 1/2"

Pyrolin Handle Shock Proof



No. ST-4—Length 7".



### Royal DeLuxe Tool Chest and Roll-Away



The most attractive, sturdy and durable cabinet on the market. Finished in our exclusive "Indian Red" acid etched finish, which keeps cabinet always attractive in appearance and free from soiling grease stains. All drawers equipped with strong, sturdy slides with stops. Panel doors and drawers completely sealed. This cabinet is a reinforced unit complete with drawer divisions to accommodate tools of every description.

ROLL-AWAY has two drawers and storage compartment, both with separate locks. Valve Holder on right side, and handle on left side for easy movement. Roomy compartment at bottom for large tools, with sliding lid. Nickel finish hardware. On large rubber heavy duty casters, for easy movement.

TOOL CHEST has four drawers and top compartment which can be used with or without Tote Tray. Nickel finish handles and drawer pulls. Folding top and cover which lays back and out of the way when open, and completely seals the four drawers when closed, and equipped with lock for locking complete chest.

ROLL-AWAY AND CHEST may be purchased as a complete unit—or separately.

#### DIMENSIONS

No.		Length	Depth	Height
MB 25	DeLuxe Tool Chest	26"	12"	14½"
MB 30	Royal DeLuxe Roll-Away	26½"	18"	32½"
TT 35	Tote Tray	19"	11¾"	2"

### Gable Top Service Box



This heavy-duty mechanics' box with welded seams and full tote tray is ideal for repairmen, industrial workers and garagemen. Full length continuous steel hinges welded to covers and bottom corners reinforced with corner irons. Heavy, non-slipping tubular handle on tray convenient for carrying on the job; includes dividers for standard socket set. Offset box cover gives added strength. Baked wrinkle enamel.

Dimensions—Top Tray 18¼" Long; 6⅞" Wide (With built in socket tray); 2" Deep.

Box—19" Long; 7" Wide; 9" Deep at gable.

No. MB-5

### General Purpose Bench-Size Tool Chest



Attractive, sturdy and durable Tool Chest. Finished in our exclusive "Indian Red" acid etched finish which always keeps chest attractive looking and free from grease stains. Equipped with three drawers with sturdy slides and stops. The top drawer is 1-9/16" deep, the middle drawer 1½" deep and the bottom drawer 3⅞" deep. Nickel finish drawer pulls. Reinforced folding cover which lays back out of the way when open and completely seals the three drawers when closed. Sturdy lock with key. Exceptionally deep top section.

#### DIMENSIONS

No.		Length	Depth	Height
MB 20	Tool Chest complete	21"	9⅞"	10¼"
MB 20T	Tote Tray (carried in stock as separate unit)			

### Valve Grinder



A smooth operating valve grinder with inside mechanism hardened to prevent wear. Triple oscillating type—makes  $\frac{3}{4}$  turn and  $\frac{1}{2}$  turn reverses—makes  $\frac{1}{4}$  turn, then a full revolution. Equipped to handle all kinds of valves. Long stem  $8\frac{1}{2}$ " over-all.

No.

- VG-12 Complete with extra parts
- VG-10 Vacuum Cup
- VG-11 Spring
- VG-13 Narrow Two-Prong Adapter
- VG-14 Wide Four-Prong Adapter
- VG-15 Screw Driver Type Adapter



### Cadillac Valve Spring Compressor

Adapter for Motors with Hydraulic Type Valve Tappet Lifters. Can be used with most "C" type valve spring compressors equipped with straight jaws.

No. CF-26

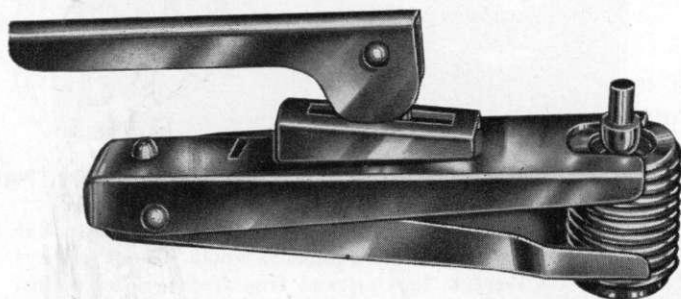
### Clark-Feather Valve Key Replacer



Holds the keys firmly. This is the surest tool to return the locks to the valve stem. Replaces the small ribbed keys for Plymouth, Dodge, Chrysler, DeSoto, Oldsmobile, Pontiac, and other motors. To load push center and forked bars to forward positions. Open a jaw and place key in jaw cup. Replaces the keys at any angle. Mechanics demand this replacer.

No. CF-7

### Chevrolet Valve Spring Compressor



Designed to fit all Overhead Valve Spring Motors that are within range of the tool.

It's easy to compress valve springs when you use this tool for the job. It is designed with an adjusting wedge which has three positions for adjusting the opening and closing space between the jaws. A specially designed lever will automatically lock itself, so that it is not necessary to hold the handle while removing the keepers. The smooth, streamlined, round finished end prevents cutting, scratching, or injury to the hand when putting the jaws into the springs.

No. VC-30



### V-8 Valve Guide Puller

Absolutely the most efficient, dependable Valve Guide Puller on the market. Saves time—does a better job. Valve assembly can be re-installed with the use of "VALV-PULL," too . . . without removing carbon from bore in cylinder block. Will not bend valve stem. "VALV-PULL" is small, but mighty. Will outlast ordinary valve guide pullers many times.

No. VP-10

### Little Shorty Valve Lifter



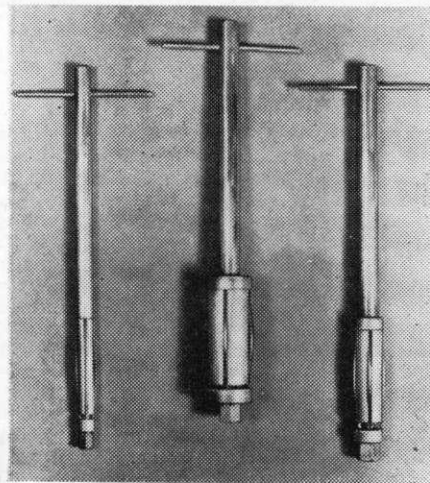
One hand easily lifts any valve in tight places with the "Little Shorty."

It lifts valves adequately, and STILL LEAVES ENOUGH ROOM TO REPLACE LOCKS WITH EASE.

No. CF-12

Length  $8\frac{1}{2}$ "

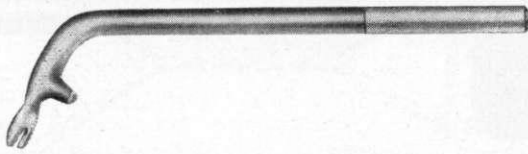
### Valve Guide Cleaners



These Expanding Valve Guide Cleaners have many uses. They expand to fit the job. Reversible square blades. Can be resharpened.

No.	Size	Blades
VC 11	5/16" x 9/16"	4
VC 12	9/16" x 3/4"	5
VC 13	27/32" x 1-1/32"	5

### New Valve Lifter (FOR FORD 6)



Removes and replaces valve assembly in small working space available on the six cylinder Ford. Correct angle design—good leverage.

No. VL-1

### Double End Combination Ford Valve Lifter (FOR 85 AND 60 H. P. FORD MOTORS)

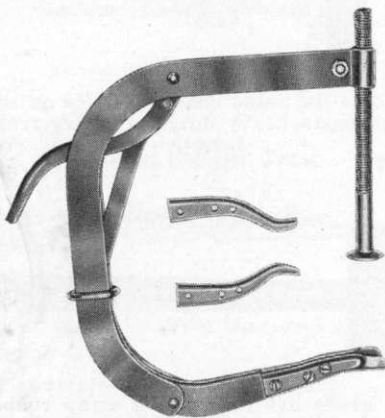


This double-end valve spring lifter is designed to remove valve guide locks on both the Ford V-8, 85 and 60. The ends are forged from heavy bar steel and the entire tool is heat treated throughout. The length is 22½" overall, giving ample leverage to loosen any guide. Cadmium finish. Shipping weight, 2½ lbs.

No. VL-2

Length 22½"

### "C" Type Valve Lifter



This "C" type Valve Lifter is constructed so the handle is out of the way of the hood tie-rod. The floating ring holds the lifter in any compressed position. Threaded valve stem can be adjusted for any valve lengths. Straight and "off step" jaws for use where space is limited. Has a depressed foot with centering point to hold it securely on a valve head. For Overhead or L-head motors.

The slim, strong adjustable jaws give most room to remove or replace the valve keys.

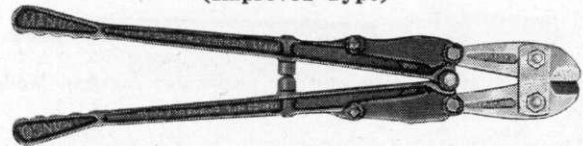
"C" frame, 11½" inside depth, 8¼" inside width, with 10½" opening capacity with offset jaws, 11½" capacity with straight jaws, allows enough clearance to operate without removing manifolds, especially on motors having down draft carburetor.

No.

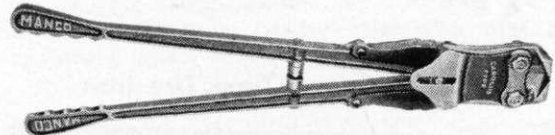
CF11  
CF21P  
CF22P

With Straight and Offset Jaws  
Straight Jaws Only  
Offset Jaws Only

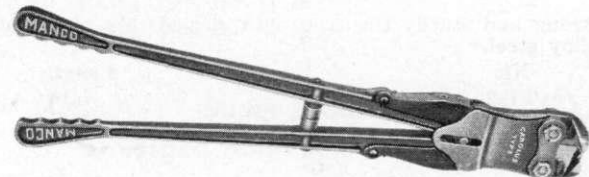
### Bolt Cutters (Improved Type)



Style No. BC 18S



Style No. BC 18B



Style No. BC 18N

STYLE S cutters are designed with stepped-up cutting power—Easier to operate—maintained tension—streamlined—no protruding bolts. Jaw drop forged of special tool steel.

STYLE B is the only side cut clipper available which also may be used for end cuts. This style is particularly useful in automobile repair work.

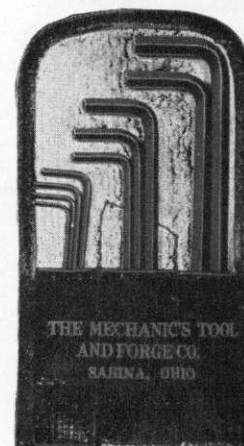
STYLE N combines straight and end cuts with a nut splitter. Accepted as the standard in repair shops where nuts must be split off or old bolts or wire cut promptly and efficiently. This cutter valuable to the mechanic or farmer.

No.

BC 18S — 18" clipper cut  
BC 24S — 24" clipper cut  
BC 18B — 18" end cut  
BC 24B — 24" end cut  
BC 18N — Nut splitter  
BC 24N — Nut splitter  
(Extra parts available)

### Hollow-Head Set Screw Wrenches

#### Individual Wrenches



No.	Size	hex.
AW-050	Size .050	hex.
AW-116	Size 1/16"	hex.
AW-564	Size 5/64"	hex.
AW-332	Size 3/32"	hex.
AW- 18	Size 1/8"	hex.
AW-532	Size 5/32"	hex.
AW-316	Size 3/16"	hex.
AW-732	Size 7/32"	hex.
AW-14L	Size 1/4"	hex.

No. KAW—Hollow Head Set Screw Wrench Set (nine wrenches in all.)



**Straight Spoon Type Tire Iron**

A strong and sturdy tire iron for passenger car use. Made of alloy steel.

No.	Length
TT-1	15"
TT-1A	24"

**Curved Spoon Type Tire Iron**

A strong and sturdy tire iron with curved thin blade. Made of alloy steel.

No.	Length
TT-2	15"
TT-2A	24"

**Double-End General Purpose Tire Iron**

A general purpose tire iron with spoon effect on one end and straight to a point on the other end. The most popular tire iron on the market.

No.	Length
TT-3	20"

**Single-End All-Purpose Tire Iron**

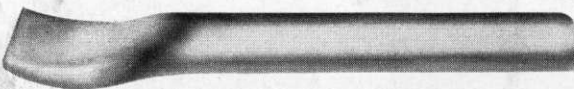
An old reliable tire iron for passenger car use. Made of alloy steel.

No.	Length
TT-4	20"

**Lock Ring Remover**

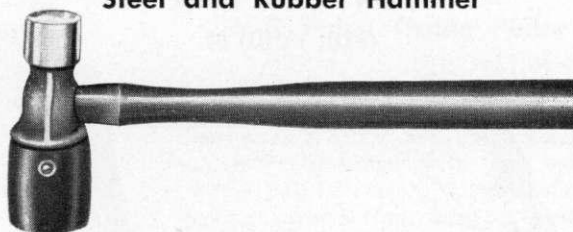
Especially designed for Firestone rims. An excellent lock ring tool. Made of alloy steel.

No.	Length
RT-1	20"

**Heavy Duty Driving Iron**

Designed with curved end. Contour of this tool assures a powerful even drive with a minimum of effort. For truck and bus use for loosening and removing frozen rusted truck beads. Will speed truck repair work.

No.	Length
TT-22	12"

**Steel and Rubber Hammer**

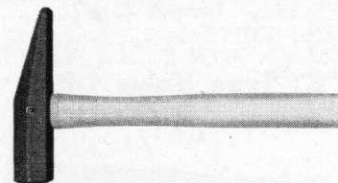
Two-way Combination Steel and Rubber Hammer for mounting tires. Replaceable rubber head. Will not mar rims. Also a hammer for general use.

No.	Length	Weight
TT-54	15"	2½ lbs.

**Tire Hammer**

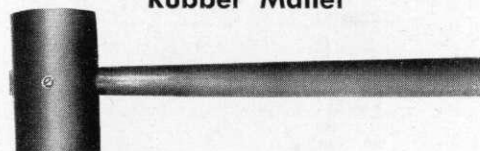
New and improved all-steel hammer. Long and thin for driving between tire and rim on all tires. Handle large and heavy, also wedge and screw fastened.

No.	Length	Weight
TT-55	14"	3½ lbs.

**Heavy Duty Tire Hammer**

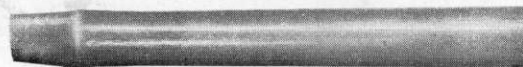
This hammer has the same characteristics as the No. TT-55 hammer except extra heavy duty for heavy truck tire work.

No.	Length	Weight
TT-57	14"	5 lbs.

**Rubber Mallet**

Made of high grade live rubber, not scrap rubber. The head molded on the handle, which has ridges thus preventing the head from coming off. Screw anchored.

No.	Length	Weight
TT-52	15"	1½ lbs.

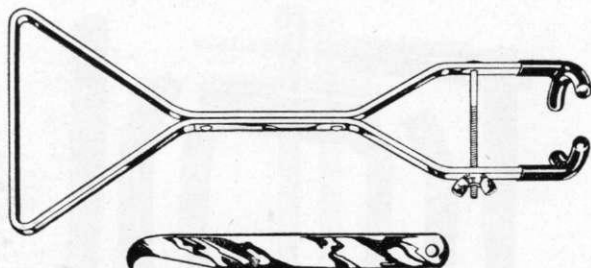
**Handles**

Handles for TT-54 Steel and Rubber Hammers and TT-55 and TT-57 Tire Hammers.

No.  
TT-2H — For TT-55 and TT-57 Hammers  
TT-3H — For TT-54 Hammers

**Wedges**

Steel Wedges for above hammers.  
No. TTW

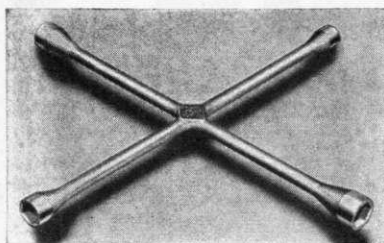
**Door Handle Flange Depressor**

Door handles and cranks come out in a flash with this Door Handle Flange Depressor. Adjustable for all flanges and handles. Enables removal of inside door handles easily without wear and tear on the car and on your nerves.

No. HT-21 Complete with pick.

**Four Way Wheel Nut Wrench**

(For Passenger Cars)



Extra long arms for wide fender clearance. Drop forged solid in one piece from high carbon steel and heat treated throughout. Forged with deep popular openings of  $\frac{3}{8}$ ",  $\frac{13}{16}$ " and  $\frac{7}{8}$ ", and marked.

No.	Length
TT-50	16"

**Head Guide Tool**

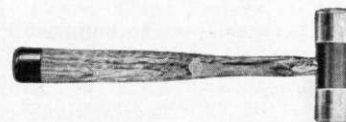
Head Guide Tool is used on all cars and trucks using head bolts instead of studs — saves time and eliminates damage to head gaskets.

No. HG-21A Complete with four Dowels.

**Scratch Awl**

This Scratch Awl is not a 10c item, but a Quality Tool. The blade extends completely through the handle. Highly ground and polished. Used for Tire Work and many miscellaneous uses. Priced right for the DeLuxe Awl.

No. SA-800

**Plastic "MacLoid" Tip Hammers**

Soft, but tough tips of plastic which are easily replaceable. Especially useful for fitting piston pins, wrist pins, gears, bearings, tapping valves, ignition and distributor work. Two popular sizes. Center is quality steel with first quality hickory handle, which is securely anchored.

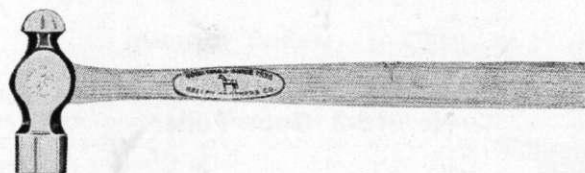
No.

PH- 8 Round Face  $1\frac{1}{4}$ " Dia.  $\frac{1}{2}$  lb.  $11\frac{3}{4}$ " Long

PH-16 Round Face  $1\frac{3}{8}$ " Dia. 1 lb.  $11\frac{3}{4}$ " Long

PH- 8A Extra Tips for  $\frac{1}{2}$  lb.

PH-16A Extra Tips for 1 lb.

**Super Quality  
Forged Ball Peen Hammers**

Machinists' Ball Peen Hammers of splendid workmanship, temper and style. Well balanced and will give excellent service.

No.	Weight Lbs.	Each Ozs.	No.	Weight Lbs.	Each Ozs.
BH- 2	..	2	BH-20	1	4
BH- 4	..	4	BH-24	1	8
BH- 8	..	8	BH-32	2	..
BH-12	..	12	BH-40	2	8
BH-16	1	..	BH-48	3	..

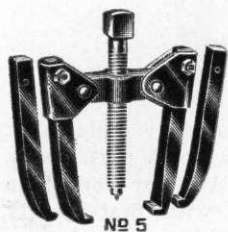
**Hammer Handles**

No.	Length
H-10 Hammer Handle for $\frac{1}{4}$ lb.	10"
H-12 Hammer Handle for $\frac{1}{2}$ lb.	12"
H-13 Hammer Handle for $\frac{3}{4}$ lb.	13"
H-14 Hammer Handle for 1 lb.	14"
H-15 Hammer Handle for $1\frac{1}{2}$ & 2 lb.	15"
H-16 Hammer Handle for $2\frac{1}{2}$ & 3 lb.	16"

**Drain Plug Wrench**

Ten-tools-in-one for all female plugs. Compact, easy to handle and designed to save time on oil changes. Lugs forged accurately to size. Heat treated and satin nicked.

No. DP-1

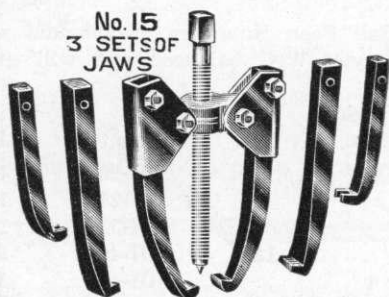
**No. 5 Gear Puller**

The handiest Puller ever devised for small pulling jobs such as generator gears, bearings and general electrical repair work and is also an ideal tool for removing tight battery terminals. It exerts a straight positive pressure, thus eliminating all chance of broken battery posts.

Comes with narrow and wide sets of jaws, both being necessary for general purposes. This Puller can also be used for removing the smaller timing gears, such as are found on electric light plants and gasoline engines.

No. 5 Gear Puller with wide jaws only, net each.....

No. 5 Gear Puller with both pair jaws, net each.....  
Shipping wt. 3 lbs.

**No. 15-3 Gear Puller**

Our No. 15 Gear Puller with three sets of interchangeable jaws is a universal timing gear puller as well as the correct size for most general medium garage work. Will pull 95% of all timing gears on old and new cars, including Buick, Ford, Chevrolet, Pontiac, Nash, Chrysler, Hudson, etc. Jaws shown in frame are narrow type for general work. Second set illustrated are wide and thin on the lips for reaching behind gears with limited space clearance. Third jaw set are slotted on the ends to take ordinary cap screws, which are turned into timing gears with tapped holes. Take 5/16", 3/8" and 7/16" Cap Screw sizes.

Depth reach of puller 5 inches. Spread of jaws or reach 7 in. Pulling power 7 ton.

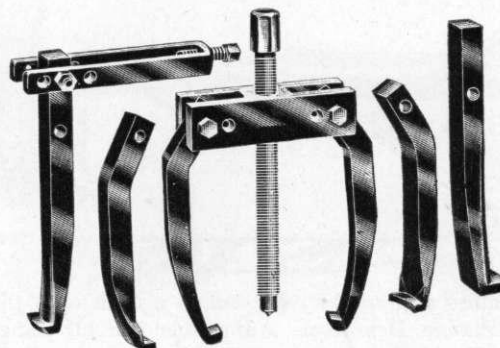
No.

15-3 Gear Puller Comp.

15 Frame only—less jaws

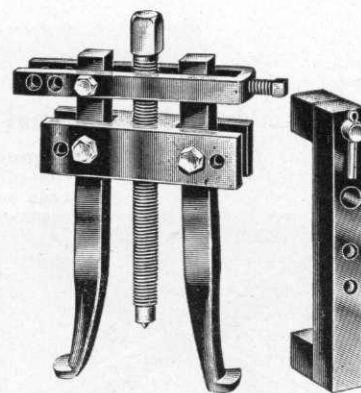
Narrow, Wide or Cap Screw jaws only, per pair

Shipping wt. 9 lbs.

**No. 88-3 Universal Gear and Bearing Puller**

88-3

A combination puller for present day requirements, with features to guarantee satisfaction on a wide variety of work. As illustrated, three sets of jaws fit the same bar and screw, the narrow and wide jaws being designed for the usual timing gear, pinion and pulley work. Narrow jaws have considerable curve and are heavily built for powerful pulling, while the wide jaws have a 3/16" thick



105

lip for reaching behind gears where only limited space is available. With narrow jaws the puller has remarkable spread and depth reach, as a pulley measuring five inches in diameter with a five-inch face can be removed with ease. Total depth reach is 6 1/4 inches. Has hand forged jaws, a 5/8" screw, 9 1/2" long and special fine thread for greater power. Will maintain its grip without slipping and is heat treated throughout.

With third set of jaws a complete universal bearing cup puller is ready for Timken bearing cup work. Jaws are circle ground to accurately fit and spread up to 7 1/2 inches to take not only the passenger car cups, but also truck and tractor sizes. Jaws are curved to pull either the inner or outer cup and all parts are heat treated. Adjusting screw holds the jaws in position at all times.

May be purchased as a complete unit or with any combination of jaws and parts illustrated.

No.

88-3 Universal Puller complete as illustrated  
Shipping weight 18 lbs.

88 Bar, Screw and Cap Screws

Narrow or wide jaws for same, per pr.

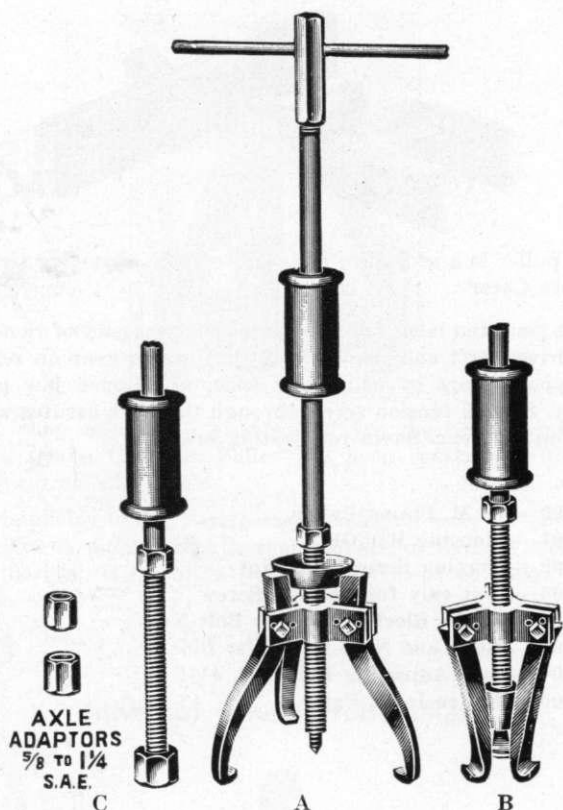
Bearing Cup Jaws for same with locking clamp, per pr.

Housing Bar only as shown

105 Lower Puller Unit for Timken Bearing work only



## No. 111 Universal Hammer Puller



This puller, as illustrated, is universal for pulling gears, pulleys, bearings, axles, Timken Races and all general work. Has two sets of jaws, one for external work, the other for Timken Races. In addition, a set of six adaptors for axle pulling is included.

For external pulling, jaws are set in position, locked and the gear removed either by using the hammer, by screwing the screw against the axle or by both methods together.

On Timken races the jaws are expanded into position by the tapered block, which also locks them and the hammer quickly removes the race from the housing.

The end of the main pulling screw is threaded to take the regular axle adaptors. Axles are quickly removed by the hammer method and without damage to differential bearings or other parts.

Length of center screw ..... 28"  
 Max. spread of external pulling jaws ..... 7"  
 Max. spread of internal pulling jaws ..... 4"

No.

- 111 Puller Set as shown complete
- 111A Puller with outside jaws (A)
- 111B Puller with Timken Race jaws and inside hook ups (B)
- 111C Puller for Axle Pulling 6 Adaptors  $\frac{5}{8}$ " to  $1\frac{1}{4}$ " SAE (C)

Shipping wt. of #111 Puller Set 20 lbs.

## Armstrong-Bray Timing Gear Puller

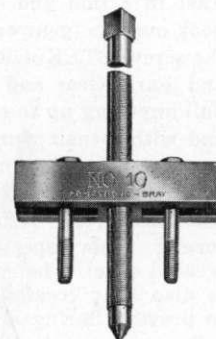
Pulls Timing Gears, Fan Pulleys, Crank Shaft Balancers, Cam Gears and Inside Pulling Jobs.

This inexpensive tool is essential in service shops for proper pulling of generator gears, bearings, bearing cones, ball races and similar parts.

Used in conjunction with the No. 950 ARMSTRONG-BRAY Bearing Separator which is drilled and tapped to receive its attaching screws, it is unequalled where space is limited, in hard to reach places, and where parts are closely fitted.

The forcing screw is extra long to permit easy removal of Chevrolet fan pulleys (thru the crank hole without removing the radiator), for pulling Buick crank shaft gears and for impulse neutralizers on all Chrysler-built cars and for all timing gears tapped for cap screws.

No. 10—Complete with  $11\frac{1}{2}$ " forcing screw. Milled steel yoke and two  $\frac{3}{8}$ " cap screws, weight 5 lbs.



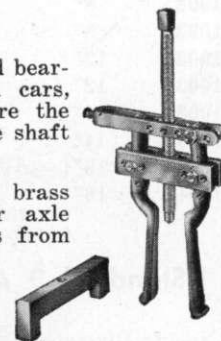
## Internal Puller

This Puller is designed to pull races and bearings from rear axle housings on all cars, trucks, tractors, or any machine where the bearing is removed after the axle, drive shaft or propeller shafts have been removed.

It will remove graphite impregnated brass collars used in tractor clutches, rear axle grease retainers, Timken bearing cups from the rear axle housing on all makes and models of cars, and many trucks and tractors. It can be used for pulling bearing races from front wheels on large trucks and tractors of all kinds.

Capacity—Reach 4", diameter  $1\frac{1}{2}$ " to 6" I.D.

No. 61 ARMSTRONG-BRAY Internal Puller, complete with Housing Bar. Weight 5 lbs.



## Universal Pilot Bearing Puller

Here is a tool of universal use. Simple in operation, efficient, sturdy and well constructed. This bearing puller handles all sizes of sleeve type bearings from  $\frac{1}{2}$ " to  $1\frac{1}{2}$ " inside diameter — such units as fly-wheel bearings, pump bearings, generator bearings, etc. The finger-tip adjustment quickly sets the puller to a tight fit inside the bearing and with a few quick taps of the sliding hammer the bearing is removed. Bright nickel finish.

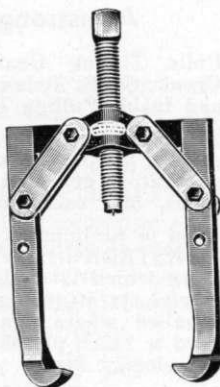
No.

- BP-223 —Complete
- BP-223J—Jaws Each



### Steelgrip Pullers

Fast in action and easily set up—just hook over the gear or wheel and tighten the screw. STEELGRIP Standard 2-arm and 3-arm Gear and Wheel Pullers will pull anything up to their rated capacity and within their arm's reach. Designed so that arms cannot slip off; with sufficient hook length to grip gear or wheel securely. Arms and yokes are forged from special analysis, heat treated steel. The steel forcing screw is also heat treated for strength and to prevent flaring or upsetting.



### Standard 2 Arm Gear and Wheel Pullers

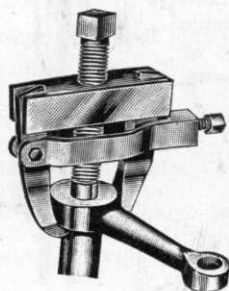
No.	Diameter	Reach	Diameter Screw	Length Screw	Hole Adjustment
1001	6"	3 1/4"	1/2"	6"	1 hole
1001A	6"	5 1/2"	1/2"	7"	2 hole
1002	8"	5 1/2"	5/8"	8"	1 hole
1002A	8"	8 1/2"	5/8"	9"	3 hole
1003	12"	9"	3/4"	12"	2 hole
1003A	12"	15 1/2"	3/4"	12"	3 hole
1003 1/2	14"	14"	1"	12"	2 hole
1003 1/2 A	14"	18"	1"	12"	3 hole
1004	18"	15 1/2"	1 1/4"	16"	2 hole
1004A	18"	22"	1 1/4"	16"	3 hole

### Standard 3 Arm Gear and Wheel Pullers

No.	Diameter	Reach	Diameter Screw	Length Screw	Hole Adjustment
1031	6"	3 1/4"	1/2"	6"	1 hole
1031A	6"	5 1/2"	1/2"	7"	2 hole
1032	8"	5 1/2"	5/8"	8"	1 hole
1032A	8"	8 1/2"	5/8"	9"	3 hole
1033	12"	9"	3/4"	12"	2 hole
1033A	12"	15 1/2"	3/4"	12"	3 hole
1033 1/2	14"	14"	1"	12"	2 hole
1033 1/2 A	14"	18"	1"	12"	3 hole
1034	18"	15 1/2"	1 1/4"	16"	2 hole
1034A	18"	22"	1 1/4"	16"	3 hole

Arms are interchangeable with those on 2-arm Pullers.

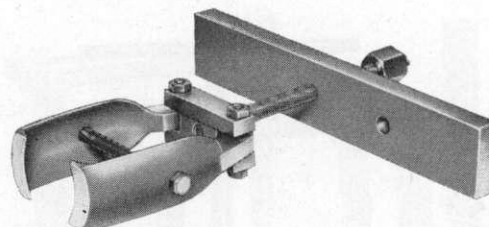
### Steelgrip Pitman Arm or Steering Arm Puller



This extremely strong small puller is used to remove Pitman arms, gears, pulleys and bearings. Puller arms can be tightened on part to be pulled and cannot slip. Jaws open 2-15/16". Has reach of 1 7/8".

No. P-48—Steelgrip Pitman Arm Puller. (Weighs approximately 3 1/2 lbs.)

### Pinion Gear Puller

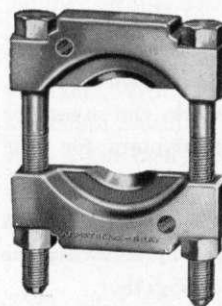


This puller is a necessary addition to shops servicing General Motors Cars.

Saves time and labor and eliminates the necessity of removing the drive shaft and rear axle to pull pinion gear on regular or hypoid gears by using this wide, thin-lipped jaw pinion puller. Special tension screw through the jaws assures a firm grip on the gear. Saves readjusting brakes.

#### No.

- P10300 —G. M. Pinion Puller
- P10301 —Housing Bar Only
- P10302 —Forcing Screw Less Nut
- P10303 —Nut only for Forcing Screw
- P10304 —Puller Block Only Less Bolt-Nuts
- P10305 —Bolts and Nuts for Puller Block
- P10306 —Jaw Adjusting Bolt-Nut, 4 1/2"
- P10300J—Puller Jaws, Pair



### Bearing Separator and Pulling Attachment

This "splitting" tool provides means for quickly and easily separating and gripping double bearings, closely fit gears and small diameter pinions or sleeves.

Each half of the tool has a wedge shaped arc. Assembled behind a bearing or gear, these segments can be drawn together by two forcing screws

and wedged in behind the bearing or gear, thus providing a uniform "all around" grip that cannot be obtained by any other method. In this way the part can then be quickly and easily "pulled" by a gear or bearing puller (see illustrations) without distortion or damage.

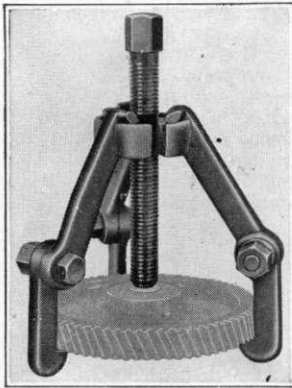
Widely used for removing bearings on axle shafts of Chrysler-built, Nash, and other cars using Timken bearings, when they permit the removal of double bearings without damaging or destroying one or either bearing.

No. 950 is tapped with 3/8" holes, for pulling generator bearings, gears, races and other small work. Capacity up to 2 1/4" outside diameter. Weight 1 1/4 lbs., cadmium finish. Use with No. 10 timing gear, 1001 or 1002 series.

No. 951, tapped with 5/8" S.A.E. holes, for pulling pinions, cam gears, timing gears, and bearings. Capacity up to 4 1/4" O.D. Weight 5 lbs., cadmium finish. Use with Nos. 1002 or 1003 series.

No. 952, tapped with 5/8" S.A.E. holes for pulling larger sized gears and bearings. Capacity up to 5 3/4" O.D. Weight 11 lbs. Cadmium finish. Use with Nos. 1003 and 1003 1/2 series.

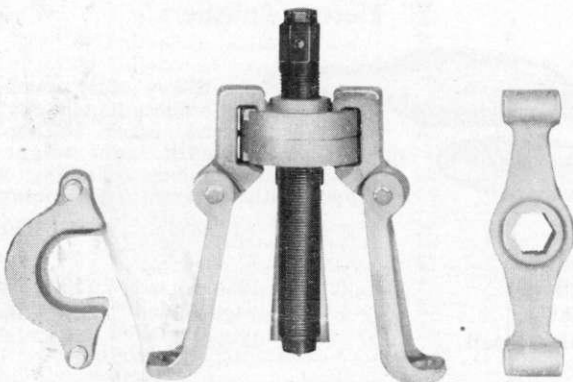
No. 952-A, same as No. 952 except has longer forcing screws to take diameters up to 9" O.D. Weight 12 lbs. Cadmium finish. Use with Nos. 1003 and 1003 1/2 series.

**Heavy Duty Wheel Puller**

Every shop requires a sturdy tool for the brute work of pulling gears. Our 3-A Puller has been constructed to fill this requirement.

The simplicity of its construction makes it easy to operate and gives it more strength than pullers of a more complicated design. Will pull a varied assortment of gears and pinions.

**No. 3A Heavy Duty Gear Puller**

**Universal Wheel Hub Puller**

The WHEEL HUB PULLER is designed to handle a large range of work without a large number of extra adaptors and parts being necessary. The extra long jaws and extra long screw makes it possible to handle more work. The Tool has drop-forged jaws and links and a solid center hub. No cast iron parts are used. You will find the WHEEL HUB PULLER the correct tool for trouble-free removal of wheel hubs.

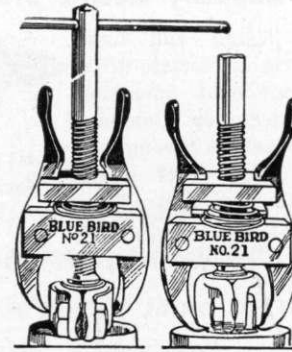
Tool may be used to remove tractor flywheels. It can also be used to remove gears having cap screw holes in them. It can be mounted on your work bench so as to form a handy shop press. Steel plates can be made with holes in them and by placing these plates behind pulleys on various farm machinery and then attaching puller many sizes of pulleys can be easily removed.

**No.**

**UV-20 Puller complete with three arms**

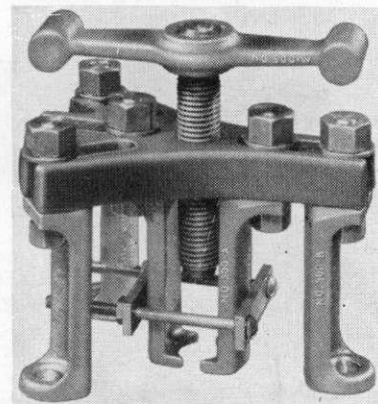
**UV-22 Ford attachment**

(Extra arms carried in stock)

**Universal Clamp Lifter**

A super-powerful tool designed and guaranteed to remove the most badly corroded clamp. Grips from below if there's room — otherwise the sharp points of jaws engage sides of clamp with a vice-like grip. Double cam action. Simple operation — positive action. Packed in telescope box.

**No. BP-21**

**Springfield Universal Wheel, Hub and Gear Puller****Pulling Wheel Hubs from Studs**

Designed for service station use and will pull all automobile hubs that have wire, disc or demountable wheels. Easily adjusted for any spread and will pull a five, six or seven studded hub. Will also pull gears, bearings, steering wheels, fan pulleys, disc, drums, etc.

Taken apart, this puller fits into your tool box or is easily mounted on your shop tool board.

**No.**

**500 Complete without wrench**

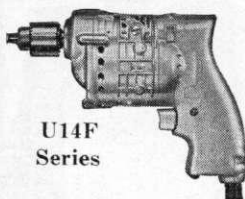
**500W Wrench only**



# THOR PORTABLE ELECTRIC TOOLS

## 1/4" Capacity Electric Drills

The streamlined design and light weight of Thor portable electric drills provide perfect one-hand operation for "finger-point" accuracy. Compact and sturdy. Ball bearings throughout and heat-treated alloy steel gears reduce noise and vibration. Extra long carbon brushes. All drills equipped with 3-jaw Jacobs Chuck and key; 3-conductor cable with ground wire and plug.



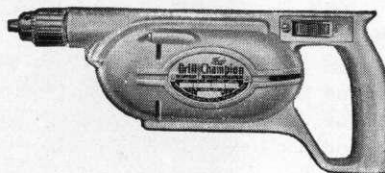
U14F  
Series

### 1/4" ELECTRIC DRILL SPECIFICATIONS

Size Number	Free Speed R.P.M.	Weights Pounds	Length Overall
<b>Standard Duty—U14AP Series</b>			
U13AP .....	3750	3	7 3/4"
U14AP .....	2500	3	7 3/4"
U14DP .....	1900	3	7 3/4"
U17AP .....	700	3 3/4	9"
<b>Heavy Duty—U14CP</b>			
U13CP .....	3000	3 3/4	8 1/8"
U17CP .....	800	4 1/4	9 1/2"
U14CP .....	2100	3 3/4	8 1/8"
U15CP .....	4500	3 3/4	8 1/8"
<b>Heavy Duty—*U14F Series</b>			
U12F .....	3750	3 3/4	8-9/16"
U13F .....	5000	3 3/4	8-9/16"
U14F .....	2500	3 3/8	8 3/4"

## 1/4" Drill Champion

A low priced drill built in the fine tool tradition. Designed for light duty, intermittent service. Die cast aluminum housings. Self-lubricating bearings. Alloy steel gears. Equipped with Jacobs Chuck, closed grip handle.



U25

Size .....	1/4" DRILL CHAMPION
Free Speed .....	200 R.P.M.
Weight .....	4 lbs.
Length Overall .....	11 3/4"

## 1/2" Drill Champion



Jacobs chuck  
Trigger switch  
Locking pin  
Spade handle  
Dead handle

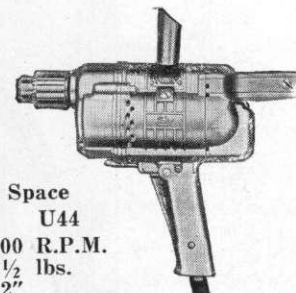
A low-priced 1/2" drill with the most efficient motor ever put into a tool of its price class. Designed for light duty, intermittent service.

U50

Size .....	1/2" DRILL CHAMPION
Free Speed .....	420 R.P.M.
Weight .....	9 1/2 lbs.
Length Overall .....	15"

## 1/2" Heavy Duty Drill

The smallest, lightest 1/2" heavy duty electric drill designed for continuous service on hard production jobs. Ideal for all types of maintenance work. Equipped with Jacobs Chuck; 3-conductor cable with ground wire and plug. Detachable dead handle.

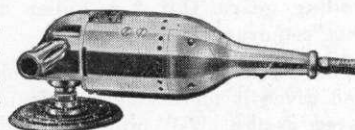


Half the Weight in Half the Space

Size .....	U44
Free Speed .....	500 R.P.M.
Weight .....	9 1/2 lbs.
Length Overall .....	12"

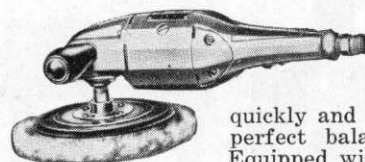
## 6", 7" and 9" Electric Sanders

For sanding, grinding, cleaning, preparing automobile bodies and fenders for paint jobs, smoothing wood surfaces, etc.



Size	U69	U68	U58
Capacity .....	9"	6" Cup Wheel	7" Heavy Duty
Free Speed .....	4000 r.p.m.	4000 r.p.m.	4000 r.p.m.
Weight .....	16 3/4 lbs.	16 3/4 lbs.	16 3/4 lbs.
Length .....	16 1/2"	16-9/16"	14 1/2"

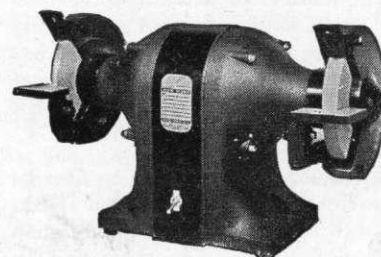
## 7" Electric Polishers



Heavy duty machines built to handle any polishing or buffing job quickly and efficiently. Light weight and perfect balance assure handling ease. Equipped with powerful Thor motor.

Size	U38	U70
Capacity .....	7" Pad	7" Pad
Free Speed .....	1950 r.p.m.	2300 r.p.m.
Weight .....	7 3/4 lbs.	16 1/2 lbs.
Length Overall .....	13 3/4"	16 3/4"

## Bench Grinders



The new Thor Bench Grinders are an entirely revised line. More substantially built, with new features of construction and highly improved motor performance.

No.	Size	Wheel Diameter	Voltage	Wheel Width	Bore	Load Speed R.P.M.
BG-6	6" Std. Duty	6"	110	1/2"	1/2"	3450
BG-6A	6" Hvy. Duty	6"	110	3/4"	1/2"	3450
BG-6B	6" Hvy. Duty	6"	220	3/4"	1/2"	3450
BG-7	7" Hvy. Duty	7"	110	1"	5/8"	3450
BG-7A	7" Hvy. Duty	7"	220	1"	5/8"	3450

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Hone, Special Hyland .....	9	Welding Tip Sets .....	12
Hook, Scriber & Packing .....	1	Wheel Brushes .....	1
Hydraulic Brake Clip .....	11	Wheel Puller, Knock-Off and Universal .....	11-23
Hydraulic Brake Cylinder Cleaner .....	9	Wire Brush, Hand .....	1
Ignition Wrench Set .....	6	Wrenches .....	6
Irons, Tire .....	18	Wrench Set, Ignition .....	6
Junior Hack Saw .....	1		







# MAC ALLIED TOOLS CORP.

## Numerical and Alphabetical Index and Price List



### Quality Tools for the Professional Mechanic

Prices And Terms Are Subject To Change Without Notice

All Prices Are Net To The Trade

ISSUED

February 1, 1948

## MAC ALLIED TOOLS CORPORATION

Tallmadge, Ohio

(Suburb of Akron)

Tool No.	Item	Cat. Page		Price	Tool No.	Item	Cat. Page		Price
3A	Puller.....	23	B	\$11.00	1001A	Puller.....	22	C	6.00
5	Puller Complete.....	20	S	5.50	1002	Puller.....	22	C	12.00
10	Puller.....	21	B	4.25	1002A	Puller.....	22	C	13.75
15-3	Puller.....	20	S	13.00	1003	Puller.....	22	C	18.15
22TD	Tap & Die Set.....	8	C	8.25	1003A	Puller.....	22	C	20.35
46TD	Tap & Die Set.....	8	C	15.95	1003 1/2	Puller.....	22	C	28.20
61	Puller.....	21	B	7.85	1003 1/2 A	Puller.....	22	C	33.50
79P	Gasket Punch Set.....	7	B	4.50	1004	Puller.....	22	C	38.40
88-3	Puller.....	20	S	18.50	1004A	Puller.....	22	C	45.80
105	Puller.....	20	S	13.00	4146	File Set.....	10	D	14.45
107	Blo Gun.....	12	A	1.20	AD10	Axle Die.....	8	B	6.50
108	4" Blo Gun Ext.....	12	A	.40	AJ4	4" Adj. Wrench.....	6	C	1.40
111	Puller Set.....	21	S	23.00	AJ6	6" Adj. Wrench.....	6	C	1.40
111A	Puller.....	21	S	15.00	AJ8	8" Adj. Wrench.....	6	C	1.65
111B	Puller.....	21	S	13.00	AJ10	10" Adj. Wrench.....	6	C	2.10
111C	Puller.....	21	S	10.00	AJ12	12" Adj. Wrench.....	6	C	3.10
200	Plier.....	3	B	2.25	AT20	Welding Tip Set.....	12	B	4.00
207	Plier.....	3	B	1.65	AW050	.050 Hex Wrench.....	17	B	.05
210	Plier.....	3	B	1.90	AW18	1/8" Hex Wrench.....	17	B	.05
216	Plier.....	3	B	1.30	AW116	1/16" Hex Wrench.....	17	B	.05
218	Plier.....	3	B	1.60	AW316	3/16" Hex Wrench.....	17	B	.08
258	Parrot Nose Plier.....	Not Shown	B	2.10	AW332	3/32" Hex Wrench.....	17	B	.05
290	Plier.....	3	B	2.50	AW532	5/32" Hex Wrench.....	17	B	.06
292	Plier.....	3	B	3.25	AW564	5/64" Hex Wrench.....	17	B	.05
303	Spring Tool.....	7	A	.50	AW732	7/32" Hex Wrench.....	17	B	.09
500	Wheel Puller.....	23	C	11.00	Individual Wrenches sold only in lots of 50 or more.				
500W	Wrench Only.....	23	C	1.50	AW14L	1/4" Hex Wrench.....	17	B	.12
520	Repair Kit.....	12	A	.75	BC5	Brake Clips.....	11	A	.25
608	8" Lineman Plier.....	Not Shown	B	3.10	BC10	Polisher.....	9	B	3.25
616	Plier.....	3	B	2.15	BC10A	Head Only.....	9	B	1.25
617	Plier.....	3	B	2.60	BC15	Polisher.....	9	B	3.50
648	8" Lineman Plier (ins.).....	Not Shown	B	3.80	BC15A	Head Only.....	9	B	1.40
711	Coupler.....	12	A	1.20	BC18B	Bolt Cutter.....	17	B	9.30
716	Coupler.....	12	A	1.20	BC18N	Bolt Cutter.....	17	B	10.75
727	Plug.....	12	A	.25	BC18S	Bolt Cutter.....	17	B	8.65
728	Plug.....	12	A	.25	BC24B	Bolt Cutter.....	17	B	11.35
867	Washer.....	12	A	.05	BC24N	Bolt Cutter.....	17	B	12.75
868	Washer.....	12	A	.05	BC24S	Bolt Cutter.....	17	B	11.50
875A	Bushing Dr. Set.....	7	A	5.25	BC25	Polisher Set.....	9	B	6.25
950	Separator.....	22	C	3.85	BG6	Bench Grinder.....	24	T	39.50
951	Separator.....	22	C	10.20	BG6A	Bench Grinder.....	24	T	58.00
952	Separator.....	22	C	13.45	BG6B	Bench Grinder.....	24	T	58.00
952A	Separator.....	22	C	14.50	BG7	Bench Grinder.....	24	T	80.00
1001	Puller.....	22	C	6.00					

Tool No.	Item	Cat. Page	Price	Tool No.	Item	Cat. Page	Price
BG7A	Bench Grinder.....	24	T 80.00	BT217	Dolly.....	10	B 2.20
BH1	Gasket Hammer.....	Not Shown	A .35	BT218	Dolly.....	10	B 3.03
BH2	Hammer, 2 Oz.....	19	B 1.25	BT220	Dolly.....	10	B 2.48
BH4	Hammer, 4 Oz.....	19	B 1.25	BT221	Dolly.....	10	B 2.20
BH8	Hammer, 8 Oz.....	19	B 1.30	BT222	Dolly.....	10	B 1.93
BH12	Hammer, 12 Oz.....	19	B 1.35	BT223	Dolly.....	10	B 3.30
BH16	Hammer, 16 Oz.....	19	B 1.40	BT224	Dolly Handle.....	10	B .83
BH24	Hammer, 24 Oz.....	19	B 1.60	BT225	Dolly.....	10	B 2.20
BH32	Hammer, 32 Oz.....	19	B 1.90	BT226	Dolly.....	10	B 2.48
BH40	Hammer, 40 Oz.....	19	B 2.15	BT227	Dolly Handle.....	10	B 1.10
BH48	Hammer, 48 Oz.....	19	B 2.20	BT228	Dolly.....	10	B 3.03
BL5	Battery Lifter.....	11	B .55	BT229	Dolly.....	10	B 3.03
BL10	Battery Lifter.....	11	B .65	BT252	Flange Tool.....	10	B 4.13
BP5	Hydraulic Brake "C".....			BT253	Spoon.....	10	B 2.48
	Washer Plier.....	Not Shown	B 2.50	BT254	Spoon.....	10	B 5.78
BP21	Univ. Clamp Lifter.....	23	B 2.25	BT255	Spoon.....	10	B 4.13
BP223	Puller.....	21	B 6.50	BT256	Spoon.....	10	B 2.48
BP223J	Jaws only for BP223.....	21	B Pr. 1.50	BT257	File Holder.....	10	B 3.30
BR6	Chev. Spring Bush. Rem.....	Not Shown	A 1.10	BT258	File Holder.....	10	B 3.30
BT101	Body Hammer.....	10	B 2.75	BT273	Handles.....	10	B .35
BT102	Body Hammer.....	10	B 2.86	BT274	Handles.....	10	B .35
BT103	Body Hammer.....	10	B 3.03	BT276	Handles.....	10	B .50
BT104	Body Hammer.....	10	B 1.98	BTW	Hammer Wedges.....	Not Shown	B 12 for .41 100 for 3.30
BT106	Body Hammer.....	10	B 2.48				
BT107	Body Hammer.....	10	B 2.75	CA1	Adapter.....	1	A .85
BT110	Body Hammer.....	10	B 2.48	CA2	Adapter.....	1	A .85
BT111	Body Hammer.....	10	B 2.48	CA3	Adapter.....	1	A .85
BT112	Body Hammer.....	10	B 2.48	CA20	Clutch Tool.....	9	B 5.25
BT113	Body Hammer.....	10	B 2.48	CF7	Key Replacer.....	16	B 1.95
BT114	Body Hammer.....	10	B 2.48	CF11	Lifter.....	17	B 7.00
BT115	Body Hammer.....	10	B 2.48	CF12	Lifter.....	16	B 1.85
BT121	Body Hammer.....	10	B 2.75	CF21P	Straight Jaws Only.....	17	B 1.00
BT122	Body Hammer.....	10	B 2.75	CF22P	Offset Jaws Only.....	17	B 1.00
BT123	Body Hammer.....	10	B 2.48	CF26	Cad. Valve Sp. Comp.....	16	B 2.50
BT124	Body Hammer.....	10	B 2.48	CG1	Gauge.....	9	B 12.50
BT125	Body Hammer.....	10	B 2.48	CG2	Gauge.....	9	B 12.50
BT126	Body Hammer.....	10	B 2.48	CG3	Gauge.....	9	B 15.00
BT127	Body Hammer.....	10	B 3.03	CS10	Scraper.....	12	A .45
BT128	Body Hammer.....	10	B 2.48	CT5	Comp. Tester.....	14	B 5.35
BT129	Body Hammer.....	10	B 2.75	CT5C	Valve Core CT5.....	Not Shown	A .15
BT130	Body Hammer.....	10	B 3.03	CT5R	Rubber Tips CT5.....	Not Shown	A .15
BT131	Body Hammer.....	10	B 2.75				
BT134	Body Hammer.....	10	B 2.86	D2 thru D20	Dies.....	8	C .70
BT135	Body Hammer.....	10	B 2.48	D25	1/8" Pipe Die.....	8	C .26
BT137	Body Hammer.....	10	B 2.48	DS2	Die Stock.....	8	C .95
BT138	Body Hammer.....	10	B 2.15	DS4	Die Stock.....	8	C .95
BT140	Body Hammer.....	10	B 2.42	DG825	Drill Grinding Att.....	Not Shown	B 6.75
BT142	Body Hammer.....	10	B 2.70	DM1	Drill Set.....	6	B 24.90
BT143	Body Hammer.....	10	B 2.15	DM3	Drill Set.....	6	B 5.50
BT144	Body Hammer.....	10	B 2.15	DM15	Drill Set.....	6	B 14.85
BT145	Body Hammer.....	10	B 2.42				
BT146	Body Hammer.....	10	B 2.42	ET100	Testing Tool.....	14	B 2.25
BT147	Body Hammer.....	10	B 2.15				
BT152	Body Hammer.....	10	B 2.48	FG1	Gauge.....	4	A .90
BT153	Body Hammer.....	10	B 1.93	FG2	Gauge.....	4	A 1.75
BT154	Body Hammer.....	10	B 1.93	FG3	Gauge.....	4	A 1.95
BT155	Body Hammer.....	10	B 2.48	FG4	Gauge.....	4	A 1.15
BT156	Body Hammer.....	10	B 2.20	FG5	Gauge.....	4	A 1.35
BT157	Body Hammer.....	10	B 2.75	FG6	Gauge.....	4	A 1.15
BT158	Body Hammer.....	10	B 2.75	FG7	Gauge.....	4	A 1.15
BT159	Body Hammer.....	10	B 2.42	FG8	Gauge.....	4	A 1.15
BT160	Body Hammer.....	10	B 2.42	FG9	Gauge.....	5	A 1.40
BT162	Body Hammer.....	10	B 1.93	FG10	Stock Holder.....	5	A .35
BT163	Body Hammer.....	10	B 3.03	FG11	Stock Holder.....	5	A .45
BT164	Body Hammer.....	10	B 2.48	FG15	Gauge.....	5	A 1.00
BT166	Body Hammer.....	10	B 2.75	FG16	Gauge.....	5	A .85
BT167	Body Hammer.....	10	B 2.42	FG339	V-8 Ford Valve Knockout.....	Not Shown	B .85
BT170	Body Hammer.....	10	B 3.19	FG0015S to FG015S (3 1/2" Blades).....	5	A pkg. .55	
BT201	Dolly.....	10	B 3.47	FG0015L 12" Blades.....	5	A pkg. 1.65	
BT202	Dolly.....	10	B 2.48	FG002L 12" Blades.....	5	A pkg. 1.65	
BT204	Dolly.....	10	B 3.03	FG003L to FG035L (12" Blades).....	5	A pkg. 1.25	
BT205	Dolly.....	10	B 3.03	FH11	File Holder.....	5	B 1.35
BT206	Dolly.....	10	B 2.48	FH22	File Holder.....	5	B 1.15
BT207	Dolly.....	10	B 3.03	FS1	Flexstone.....	12	B doz. 1.00
BT208	Dolly.....	10	B 3.30	FS2	Flexstone.....	12	B doz. 1.00
BT209	Dolly.....	10	B 3.03	FT9	Flaring Tool.....	13	B 3.75
BT210	Dolly.....	10	B 3.30				
BT211	Dolly.....	10	B 3.03	GW8	Grinding Wheel.....	12	B 2.20
BT212	Dolly.....	10	B 3.30	GW10	Grinding Wheel.....	12	B 2.20
BT213	Dolly.....	10	B 3.03	GW12	Grinding Wheel.....	12	B 2.50
BT214	Dolly.....	10	B 3.30	GW14	Grinding Wheel.....	12	B 2.50
BT215	Dolly.....	10	B 3.47				



Tool No.	Item	Cat. Page	Price	Tool No.	Item	Cat. Page	Price
H10	Handle for 1/4 #	19	A .30	MB30	Royal DeL. Tool Cabinet	15	D 35.50
H12	Handle for 1/2 #	19	A .30	MB20T	Tote Tray	15	D 1.65
H13	Handle for 3/4 #	19	A .30	MC1	Bushing Cutter	Not Shown	A .50
H14	Handle for 1 #	19	A .35	MC2	Muffler Cutter	Not Shown	A .75
H15	Handle for 1 1/2 & 2 #	19	A .37	MC3	Panel Cutter	Not Shown	A 1.05
H16	Handle for 2 1/2 & 3 #	19	A .38	MC4	Special Cutter	Not Shown	A 1.20
HD4	1 1/8" Drill	6	B ea. .24	MC5	Body Cutter	Not Shown	A 2.35
HD5	5/8" Drill	6	B ea. .24	MC9	Long Cutter	Not Shown	A 1.25
HD6	3/4" Drill	6	B ea. .25	MF15	Mechanical Finger	5	A 1.90
HD7	7/8" Drill	6	B ea. .26	MF100	1/4" Socket Set	Not Shown	B 4.40
HD8	1" Drill	6	B ea. .26	MP4	Jr. Pick Up Tool	Not Shown	B 1.00
HD9	1 1/8" Drill	6	B ea. .28	MP5	Magnetic Pick Up Tool	Not Shown	B 1.95
HD10	1 1/4" Drill	6	B ea. .31	MSD5 Thru MSD30	Dies	8	C .70
HD11	1 1/2" Drill	6	B ea. .34	MST5 Thru MST25	Taps	8	C .30
HD12	1 3/4" Drill	6	B ea. .36	P1	Door Handle Plier	Not Shown	B 1.00
HD13	1 7/8" Drill	6	B ea. .39	P3	Ignition Pliers	2	A 1.20
HD14	2" Drill	6	B ea. .44	P6	6" Slip Joint Plier	2	A .85
HD15	2 1/4" Drill	6	B ea. .46	P7	7" Slip Joint Plier	2	W 2.55
HD16	2 1/2" Drill	6	B ea. .49	P10	Snap Ring Plier	2	A 1.85
HD17	2 3/4" Drill	6	B ea. .56	P-11	7" Diagonal Cutter	2	W 3.25
HD18	3" Drill	6	B ea. .61	P15	Battery Plier	2	A 1.35
HD19	3 1/4" Drill	6	B ea. .65	P17	Needle Nose Plier	2	B 1.80
HD20	3 1/2" Drill	6	B ea. .72	P48	Puller	22	C 5.55
HD21	3 3/4" Drill	6	B ea. .79	P10300	Puller	22	C 10.00
HD22	4" Drill	6	B ea. .86	P10300J	Jaws	22	C 3.00
HD23	4 1/4" Drill	6	B ea. .95	PF5	Point File	12	A .15
HD24	4 1/2" Drill	6	B ea. 1.00	PF10	Vol. Reg. File	12	B .60
HD25	4 3/4" Drill	6	B ea. 1.10	PH8	Hammer	19	B 1.65
HD26	5" Drill	6	B ea. 1.21	PH8A	Tips	19	B .45
HD27	5 1/4" Drill	6	B ea. 1.28	PH16	Hammer	19	B 1.85
HD28	5 1/2" Drill	6	B ea. 1.36	PH16A	Tips	19	B .45
HD29	5 3/4" Drill	6	B ea. 1.49	PK1	Putty Knife (Blade 1 1/2"x3 3/4")	Not Shown	A .50
HD30	6" Drill	6	B ea. 1.56	PK2	Del. Quality Putty Knife (Blade 1 1/2"x3 3/4")	Not Shown	A .75
HD31	6 1/4" Drill	6	B ea. 1.66	PR24A	Oil By Pass Reamer	Not Shown	A 2.50
HD32	6 1/2" Drill	6	B ea. 1.75	PR25A	Oil By Pass Reamer	Not Shown	A 2.50
Drills Packaged 1/2 Dozen Per Envelope up to 1/4"				PR40	Spreader	7	B 2.85
Beyond 1/4" Packaged 3 Only Per Envelope.				PW6	Pipe Wrench	6	W 1.65
HDS11	3/4" Socket Set	6	B 45.95	PW8	Pipe Wrench	6	W 1.90
HE8	8" Extension	6	B 2.20	PW10	Pipe Wrench	6	W 2.45
HE16	16" Extension	6	B 2.50	PW14	Pipe Wrench	6	W 3.30
HG21A	Head Guide Tool	19	A 2.25	PW18	Pipe Wrench	6	W 4.75
HH10	Hone	9	B 3.90	RA38	3/8" Ratchet Adapter	Not Shown	B 3.80
HH20	Hone	9	B 3.90	RA48	1/2" Ratchet Adapter	Not Shown	B 3.90
HH30	Hone	9	B 4.15	RB2	Reamer Blade	9	C 2.00
HH40	Hone	9	B 3.50	RC50	Ring Compressor	13	A 1.90
HH50	Hone Set	9	B 11.95	RC50T	Ring Compressor	13	A 2.50
HH10A	Stone Assembly	9	B 1.75	RC60	Ring Compressor	13	A 1.40
HH20A	Stone Assembly	9	B 1.75	RC50B	Bands for RC50	13	A .30
HH30A	Stone Assembly	9	B 1.75	RC50TB	Bands for RC50T	13	A .30
HH40A	Stone Assembly	9	B 1.75	RC150T	6 1/2" Band Ring Com.	Not Shown	A 6.00
HS1	Hacksaw	1	A .95	RD5	Housing Die	8	B 5.00
HS2	Hacksaw	1	A .95	RD10	Housing Die	8	B 5.00
HS3	Hacksaw	1	B 1.50	RG1	Groove Cleaner	13	C 2.80
HS5	Hacksaw	1	B 2.50	RG2	Groove Cleaner	13	C 3.30
HS6	Saw Blades	1	B doz. 1.05	RG3	Groove Cleaner	13	A 1.65
HS10	Saw Blades	1	B doz. 1.20	RG3A	Drill Jig	13	A .50
HS12	Saw Blades	1	B doz. 1.40	RG3B	Cleaner Cutter	13	A .50
HS10H	Saw Blades	1	C ea. .40	RG3C	Band Cutter	13	A .50
HS12H	Saw Blades	1	C doz. 4.60	RG3D	Chamfering Cutter	13	A .50
HT5	Door Pin Removal Tool	Not Shown	B 1.00	RG7	Cutter	13	C 1.75
HT19	Door Tool	7	B 4.00	RG11	Cutter	13	C 1.75
HT21	Door Flange Depr.	19	B 2.65	RP700	Sc. Driver	11	C .45
IW2	Ignition Wrench	6	A .40	RP705	Sc. Driver	11	C .45
IW4	Ignition Wrench	6	A .40	RP710	Sc. Driver	11	C .45
IW6	Ignition Wrench	6	A .40	RP715	Sc. Driver	11	C .55
IW8	Ignition Wrench	6	A .40	RP720	Sc. Driver	11	C .75
KAW	Wrench Set	17	B .80	RR1	Rev. Ratchet 3/4" Ser.	6	B 9.35
KIW	Ignition Wrench Set	6	A 3.00	RR104	Ridge Reamer	9	C 9.00
KIWS	Ignition Wrench Set	6	A 4.75	RT1	Lock Ring Rem.	18	A 1.40
KMC5	Cutter Set	Not Shown	A 5.00	S1	7/8" Op. 3/4" Ser. Soc.	6	B .80
KW12	Knocker Set	11	A 2.25	S2	1 1/8" Op. 3/4" Ser. Soc.	6	B .80
LW1	Lock Wrench	3	B 1.95	S3	1" Op. 3/4" Ser. Soc.	6	B .85
LW2	Lock Wrench	3	B 1.65	S4	1 1/16" Op. 3/4" Ser. Soc.	6	B .95
M10	Motophone	Not Shown	B 10.65	S5	1 1/8" Op. 3/4" Ser. Soc.	6	B .95
MB5	Box	15	D 5.10	S6	1 1/4" Op. 3/4" Ser. Soc.	6	B 1.05
MB20	Box	15	D 13.95	S7	1 5/8" Op. 3/4" Ser. Soc.	6	B 1.15
MB22	Old Style Box Cat. 14	Not Shown	D 11.90	S8	1 3/8" Op. 3/4" Ser. Soc.	6	B 1.25
MB25	DeLux Tool Chest	15	D 27.75	S9	1 1/16" Op. 3/4" Ser. Soc.	6	B 1.35



Tool No.	Item	Cat. Page	Price	Tool No.	Item	Cat. Page	Price
S10	1½" Op. ¾" Ser. Soc.....	6 B	1.40	TT3H	Handle for TT54.....	18 A	.25
S11	1½" Op. ¾" Ser. Soc.....	6 B	1.65	TT4	Single End Iron.....	18 A	.95
S12	1½" Op. ¾" Ser. Soc.....	6 B	2.10	TT22	Driving Iron.....	18 A	1.95
S13	1¾" Op. ¾" Ser. Soc.....	6 B	2.60	TT35	Tote Tray.....	15 D	1.95
S14	1½" Op. ¾" Ser. Soc.....	6 B	2.75	TT50	4-Way Lug Wrench.....	18 A	1.50
S15	1½" Op. ¾" Ser. Soc.....	6 B	2.85	TT51	Rubber Hd. for TT54.....	18 A	.75
S16	2" Op. ¾" Ser. Soc.....	6 B	3.25	TT52	Rubber Mallet.....	18 A	1.95
S322	Scriber.....	1 A	.45	TT54	Combination Hammer.....	18 A	2.55
SA34	Socket Adapter (½" Female x ¾" Male)..Not Shown B		.95	TT55	Steel Hammer.....	18 A	2.25
SA800	Awl.....	19 B	.55	TT57	Steel Hammer.....	18 A	2.85
SH4	Sc. Holder.....	11 B	1.35	TTW	Wedges for Above Hams.....	18 A	.08
SH5	Sc. Holder.....	11 B	1.40	TW1	Adj. Tap Wrench.....	8 C	.60
SH6	Sc. Holder.....	11 B	1.40	TW2	T Type Tap Wrench.....	8 C	.45
SH8	Sc. Holder.....	11 B	1.45	TU119	Dist. Tool.....	14 B	1.95
SH20	20" Sliding T Handle.....	6 B	3.00	TU126	Dist. Tool.....	14 B	.75
SP3	Solder Paddle Set.....	10 B	1.60	TU139	Dist. Tool.....	14 B	.65
SP11	Solder Paddle.....	10 B	.50	TU160	Dist. Set.....	14 B	3.35
SP22	Solder Paddle.....	10 B	.65	U14	Body File 14" Length.....	10 D	2.50
SP33	Solder Paddle.....	10 B	.45	U13AP	Electric Drill.....	24 T	43.50
SPC4	Counterbore.....	8 C	2.30	U14AP	Electric Drill.....	24 T	35.50
SPT10	10 M/M Plug Tap.....	8 C	.65	U14DP	Electric Drill.....	24 T	35.50
SPT14	14 M/M Plug Tap.....	8 C	.70	U17AP	Electric Drill.....	24 T	43.50
SPT18	18 M/M Plug Tap.....	8 C	.95	U13CP	Electric Drill.....	24 T	46.00
SPT25	¾-18 Plug Tap.....	8 C	1.30	U17CP	Electric Drill.....	24 T	46.00
SPT40	Tap Set.....	8 C	6.50	U14CP	Electric Drill.....	24 T	39.50
SR10	Stud Remover.....	11 A	2.55	U15CP	Electric Drill.....	24 T	46.00
SS2	Screw Starter.....	11 B	1.15	U12F	Electric Drill.....	24 T	43.50
SS5	Screw Starter.....	11 B	1.25	U13F	Electric Drill.....	24 T	43.50
SS5A	Screw Starter.....	11 B	1.25	U14F	Electric Drill.....	24 T	42.00
SS10	Screw Starter.....	11 B	1.35	U25	¼" Drill Champion.....	24 T	25.00
SS15	Screw Starter.....	11 B	1.75	U38	Electric Polishers.....	24 T	65.00
SS25	Spring Spreader.....	7 B	7.95	U44	½" Heavy Duty Drill.....	24 T	64.50
SS25W	Spr. Spreader Wrench.....	7 B	1.40	U50	½" Drill Champion.....	24 T	42.00
ST2	Screw Driver.....	14 B	.50	U58	Electric Sanders.....	24 T	60.00
ST4	Screw Driver.....	14 B	.95	U67	Electric Sanders.....	24 T	83.00
T2	¼-20 U. S. S. Tap.....	8 C	.35	U68	Electric Sanders.....	24 T	80.00
T4	¼-18 U. S. S. Tap.....	8 C	.38	U69	Electric Sanders.....	24 T	85.00
T6	¾-16 U. S. S. Tap.....	8 C	.42	U70	Electric Polisher.....	24 T	83.00
T8	¾-14 U. S. S. Tap.....	8 C	.49	UV20	Univ. Wheel Puller.....	23 C	15.50
T10	¾-13 U. S. S. Tap.....	8 C	.58	UV22	Ford Attach. for UV20.....	23 C	3.95
T12	¼-28 S. A. E. Tap.....	8 C	.35	VC30	Sp. Comp.....	16 B	2.15
T14	¼-24 S. A. E. Tap.....	8 C	.38	VC11	Valve Guide Cleaner.....	16 A	.75
T16	¾-24 S. A. E. Tap.....	8 C	.42	VC12	Valve Guide Cleaner.....	16 A	1.00
T18	¾-20 S. A. E. Tap.....	8 C	.49	VC13	Valve Guide Cleaner.....	16 A	1.25
T20	¾-20 S. A. E. Tap.....	8 C	.58	VG5	Vacu. Gauge.....	14 B	6.25
T22	¼" Pipe Tap.....	8 C	.35	VG10	Valve Gr. Cup.....	16 B	.30
TC1	Tube Cutter.....	13 B	.95	VG11	Valve Gr. Spr.....	16 B	.25
TC2	Tube Cutter.....	13 B	1.05	VG12	Valve Grinder.....	16 B	2.25
TC4	Tube Cutter.....	13 B	1.75	VG13	Valve Gr. Adaptor.....	16 B	.20
TC4C	Cutter Only.....Not Shown B		.45	VG14	Valve Gr. Adapter.....	16 B	.20
TCC	Cutter Only.....	13 B	.25	VG15	Valve Gr. Adapter.....	16 B	.20
TDC5	Tap & Die Chasers.....	8 B	4.50	VL1	Valve Lifter.....	17 B	1.95
TK5	Tune Up Set.....	14 B	16.95	VL2	Valve Lifter.....	17 B	2.25
TK5B	Box Only For TK5.....	14 D	1.55	VP10	Valve Puller.....	16 NET	3.75
TL5	Timing Lt.....	14 B	4.50	W1	Knock Off.....	11 A	.50
TL5E	Timing Lt. Element.....	14 B	1.70	W2	Knock Off.....	11 A	.50
TR1	Thread Chaser.....	9 C	1.90	W3	Knock Off.....	11 A	.60
TR2	Thread Chaser.....	9 C	1.90	W4	Knock Off.....	11 A	.60
TS10R	Tin Snips Compound Action R. Cut..Not Shown B		3.60	W5	Knock Off.....	11 A	.60
TS10L	Tin Snips Compound Action L. Cut..Not Shown B		3.60	W6	Knock Off.....	11 A	.50
TS12	12" Duck Bill Style.....Not Shown B		3.95	W7	Knock Off.....	11 A	.75
TS38	Spreader.....	7 B	2.35	W8	Knock Off.....	11 A	.75
TS39	Spreader.....	7 B	2.35	W9	Knock Off.....	11 A	1.00
TT2H	Handle for TT55 & TT57.....	18 A	.40	W10	Knock Off.....	11 A	1.25
TT1	Straight Tire Iron.....	18 A	1.40	WB1	Brush.....	1 B	1.70
TT2	Curved Tire Iron.....	18 A	.95	WB5	Brush.....	1 B	1.95
TT3	20" Tire Iron.....	18 A	1.20	WB10	Brush.....	1 B	.40
				WW6	Wire Wheel.....	1 B	2.95